REMEDIAL INVESTIGATION REPORT

7-17 Ludlow Street
City of Yonkers
Westchester County, New York

NYSDEC Brownfields Site: C360079

September 2014,
Revised January 2015

ESI File: WY07054.50

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Prepared By:

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Prepared For:

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The undersigned has reviewed this Remedial Investigation Report and certifies to Westhab, Inc. and to the New York State Department of Environmental Conservation (NYSDEC) that the information provided in this document is accurate as of the date of issuance by this office.

I, the undersigned, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375] and that this Report [Remedial Investigation Report] was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Paul H. Ciminello
President

TABLE OF CONTENTS

1.0 INTRODUCTION 1
- 1.1 Purpose
- 1.2 Limitations
- 1.3 Objectives
- 1.4 Summary of Services

2.0 SITE DESCRIPTION 3
- 2.1 Site Location, Features, and Use
  - 2.1.1 Topography
  - 2.1.2 Geology and Hydrogeology
  - 2.1.3 Site and Regional Hydrology
  - 2.1.4 Historical Uses
- 2.2 Previous Environmental Investigations
- 2.3 Proposed Site Use

3.0 SITE INVESTIGATION 7
- 3.1 General Provisions
  - 3.1.1 Personnel/Subcontractors
  - 3.1.2 Fieldwork Observations, Sample Collection, and Sample Custody
  - 3.1.3 Terminology
  - 3.1.4 Deviations from Remedial Investigation Work Plan
  - 3.1.5 Pre-Investigation Services
- 3.2 Soil Investigation
  - 3.2.1 Sample Collection Methodology
  - 3.2.2 Fieldwork Observations
  - 3.2.3 Laboratory Results and Discussion
- 3.3 Groundwater Investigation
  - 3.3.1 Monitoring Well Installation and Development
  - 3.3.2 Groundwater Flow
  - 3.3.3 Sample Collection Methodology
  - 3.3.4 Fieldwork Observations
  - 3.3.5 Laboratory Results and Discussion
- 3.4 Soil Vapor Investigation
  - 3.4.1 Sampling Locations
  - 3.4.2 Sample Collection Methodology
  - 3.4.3 Laboratory Results and Discussion
- 3.5 Data Validation
- 3.6 Qualitative Human Health Exposure Assessment

4.0 CONCLUSIONS AND RECOMMENDATIONS 19
- 4.1 Conclusions
- 4.2 Recommendations

TABLE OF CONTENTS – continued

APPENDICES

A *Figures*
- *Figure 1: Site Location Map*
- *Figure 2: Land Use Map*
- *Figure 3: Selected Site Features Map*
- *Figure 4: Fieldwork with Critical Environmental Data Map*
- *Figure 5a: VOCs in Soils (Historical)*
- *Figure 5b: VOCs in Soils*
- *Figure 6: SVOCs in Soils*
- *Figure 7: Exceedances of Metals in Soils*
- *Figure 8: VOCs in Groundwater*
- *Figure 9a: Cross Section Map*
- *Figure 9b: Cross Section A*
- *Figure 9c: Cross Section B*
- *Figure 9d: Cross Section C*

B *Sanborn Fire Insurance Maps*

C *Data Summary Tables*
- *Table 2: Field Observations*
- *Tables 3a & 3b: VOCs in Soil*
- *Tables 4a & 4b: SVOCs in Soil*
- *Tables 5a & 5b: Metals in Soil*
- *Tables 6a & 6b: PCBs and Pesticides in Soil*
- *Table 7: VOCs in Groundwater*
- *Table 8: SVOCs in Groundwater*
- *Table 9: Metals in Groundwater*
- *Table 10: PCBs and Pesticides in Groundwater*
- *Table 11: VOCs in Soil Gas*

D *Boring and Well Installation Logs*

E *Test Pit Photographs*

F *Site Plans*

G *Laboratory Reports*

H *Historic Laboratory Reports*

I *DUSR*

1.0 INTRODUCTION

1.1 Purpose

This Remedial Investigation Report (RIR) summarizes environmental investigation services performed by Ecosystems Strategies, Inc. (ESI) and authorized subcontractors at the property located at 7-17 Ludlow Street, Yonkers, New York (hereafter referred to as the "Site"). The work documented in this RIR was performed to provide a comprehensive assessment of Site conditions, as required by the New York State Department of Environmental Conservation (NYSDEC) Brownfields Clean Up Program (BCP) guidelines for site investigation and to determine the extent of response actions to known on-site petroleum contamination (see Section 2.2 below).

All work was performed in general conformance with the NYSDEC Division of Environmental Remediation-10, Technical Guidance for Site Investigation and Remediation (DER-10) and consistent with the Remedial Investigation Workplan (RIWP), dated October 2013, revised March 2014 and approved by NYSDEC Letter, dated March 20, 2014. Any variations from the approved Workplan are described in Section 3.1.4, below.

This RIR describes all fieldwork methodologies and sample collection procedures, includes discussions of field observations and laboratory data, and provides conclusions and recommendations drawn from the fieldwork and analytical data. This RIR incorporates the historic data generated during previous site investigations for the purpose of site characterization; such data are presented for descriptive purposes only as they have not been validated.

1.2 Limitations

This written analysis is an assessment of characterization activities conducted on the Site, and is not relevant to any other property. It is a representation of environmental conditions on or near the Site as of the respective dates of fieldwork. Activities occurring after the date of this RIR (including the movement of known contaminants) may result in a spatial configuration of contamination different from that represented in this document.

Services summarized in this RIR were performed in accordance with generally accepted practices and established NYSDEC protocols. Unless specifically noted, the findings and conclusions contained herein must be considered not as scientific certainties, but as probabilities based on the data available and professional judgment.

1.3 Objectives

ESI conducted an environmental investigation at the Site in order to:

1) Document impacts to on-site soil and off-site groundwater from former historical Site uses and supplement previous data collected at the Site (see Sections 1,4 and 2.2, below);

2) Determine the extent of on-site contamination in soil (lateral and vertical), soil gas, and groundwater;

3) Identify on-site or off-site environmental receptors and assess the impact of documented contamination on these receptors; and,

4) Provide guidance on the need for and the extent of response actions warranted to address identified environmental conditions.

1.4 Summary of Services

The following services were prior to the Site's entry into the BCP:

- Extension of seventeen (17) soil borings (B-1 through B-17) on September 21, 2010 and five borings (2B-1 through 2B-5) on April 26, 2011 to document on-site subsurface soil conditions;
- Installation of three (3) on-site monitoring wells (2MW-1, 2MW-2 and 2MW-3) on April 26, 2011 to document on-site groundwater conditions; and,
- Completion of eleven (11) test pits in the southwest corner of the site to satisfy a HUD requirement regarding documentation of the presence of subsurface debris at the location of a former on-site structure.

The following services have been completed on-site during the completion of the BCP remedial investigation under the terms of the RIWP, dated March 2014:

- Extension of seven (7) test pits to document on-site subsurface soil conditions;
- Extension of seven (7) soil borings to document on-site subsurface soil conditions;
- Installation of two monitoring wells (one on-site and one off-site)
- Sampling of two (2) on-site and one (1) off-site groundwater monitoring wells (one of the wells had been installed during previous on-site investigative activities); and,
- Collecting one (1) soil gas samples inside of the existing eastern on-site building to document the presence or absence of contaminants in soil gas.

2.0 SITE DESCRIPTION

2.1 Site Location, Features, and Use

The property is a rectangular-shaped, approximately 0.6-acre parcel located on the northern side of Ludlow Street in the City of Yonkers, Westchester County, New York. A vacant two-story commercial building is located on the northeastern portion of the property and a vacant one-story commercial building is located on the north-central portion of the property. The remainder of the property is composed of paved parking and areas of overgrown vegetation. Vicinity land uses include multi-family residential structures institutional uses (e.g., church) and commercial businesses in all directions. A map indicating the general location of the Site is provided as Figure 1 in Appendix A. A map indicating surrounding land uses is provided as Figure 2 in Appendix A.

2.1.1 Topography

Information on the subject property's topography was obtained from the review of the United States Geological Survey Topographic Map of the Yonkers, New York Quadrangle. According to the Topographic Map, the property is located in an area of varied relief with downward slopes to the west and south, eventually towards the Hudson River. Field observations indicate that the property itself is relatively level with elevations on the east side at 94 feet (msl) and elevations on the west side at 90 feet msl. The existing conditions of the Site are presented in Figure 3, Appendix A.

2.1.2 Geology and Hydrogeology

A review of the Geologic Map of New York and the Surficial Geologic Map of New York (lower Hudson sheets) indicates that soils on the Site are likely to consist of glacial till deposits, overlying gneiss. Soil maps presented in the New York City Reconnaissance Soil Survey (Soil Survey), issued by the New York City Soil and Water Conservation District, indicate that the Chatfield-Charlton complex (8-15% slopes) soil series is likely to be located on the property. The Chatfield-Charlton complex consists of strongly sloping areas of bedrock controlled hills and ridges modified by glacial action. [Note: the Soil Survey provides only a general guide to soil patterns across the city.] The presence of an on-site structure suggests that soils located on the property may have been altered by cutting, regrading and/or filling activities.

Fieldwork conducted by ESI documented the presence of coarse, black, brown, and gray, sand with gravels and traces of bricks (fill), clay, and silt underlying either concrete or asphalt during the extension of soil borings. Shallow bedrock was encountered on the western portion of the property (5 feet below surface grade [bsg]).

Several groundwater sampling events (see Section 2.2 and 3.3 below) have documented a general depth to groundwater at 8-10 feet below surface grade. Groundwater has been documented to be flowing in an overall southwesterly direction, towards the Hudson River (see Figure 4, Appendix A).

2.1.3 Site and Regional Hydrology

No wetlands and no standing water are present on the Site. The nearest regulated wetlands, as determined through a review of national wetland maps, is located 0.22 miles to the northeast of the Site.

Site and regional hydrology is predominantly urban, meaning that most surface water runoff is mechanically collected and conveyed via a central storm sewer system. The slope of the Site (and regionally) is to the west.

2.1.4 Historic Uses

A summary of the information obtained from the review of historic Sanborn Fire Insurance Company Maps dated 1898, 1917, 1942, 1951, 1956, 1957, 1971, 1973, 1978, 1989 and 1991 is provided below. Copies of relevant Sanborn maps (with the subject property indicated) are provided in Appendix B.

1898: The subject property contains three, two-story dwellings on the southern portion of the property. The adjoining properties to the south, west and north each contain a residential structure with associated outbuildings. The adjoining properties to the east contain residential structures. The surrounding area is developed with residential and commercial uses. Municipal water is depicted as being available to the property. No petroleum or chemical bulk storage tanks are noted on the subject property, adjoining properties, or in the surrounding area.

1917: A small storage structure is now located on the north-central portion of the subject property. The adjoining properties to the north contain additional residential structures along with two stores. The surrounding area shows additional residential and commercial development.

1942: This map is an overview map, making details difficult to distinguish. The subject property now contains a garage on the northeastern portion along with a new structure, likely to be a garage, located on the northwestern portion. The adjoining properties to the south now contain residential and commercial structures. The surrounding area is highly developed with residential and commercial uses.

1951-
1956: The dwelling located on the south-central portion of the subject property is now a funeral home, the structure located on the northeastern portion is an automobile repair facility and the structure on the northwestern portion is an automobile garage. The adjoining properties to the east now contain mixed-use structures containing both residential and commercial uses.

1957: There are no significant changes to the subject property. An adjoining property to the south now contains an automobile repair facility and a store.

1971: There are no significant changes to the subject property. The adjoining property to the south that formerly contained an automobile repair facility, now contains a screen printing facility.

1973: The dwelling, formerly located on the southeastern portion of the subject property is now gone and the on-site structure formerly containing a funeral home, now contains a restaurant. There are no other significant changes to the subject property, adjoining properties, or the surrounding area.

1978: Both dwellings formerly located on the central portion of the property are now gone. There are no other significant changes to the subject property, adjoining properties, or the surrounding area.

1989-
1991: The dwelling formerly located on the southwestern portion of the subject property is now gone and the southern portion now contains a parking lot. The adjoining property to the west and an adjoining property to the east are both now vacant.

2.2 Previous Environmental Investigations

A Combined Phase I/II Environmental Site Assessment (Phase I/II ESA) was performed on the property by ESI in January 2011 and a Supplementary Phase II Environmental Site Assessment (Supplementary Phase II ESA) was also prepared by this office, dated May 20, 2011. Following the acceptance of the site into the NYSDEC BCP, a Remedial Investigation was performed consistent with BCP requirements. Portions of the site not covered by the previous Spill investigation were investigated and samples collected were analyzed for additional parameters required by the BCP.

Phase I/II ESA

The Phase I/II ESA found that the subject property was likely to have been used for commercial purposes from prior to 1942 until circa 2004, and included an on-site automotive repair shop and a taxi dispatching facility; however, the portions of the site formerly used for automotive repair purposes were inaccessible due to the presence of large quantities of debris in the buildings and were therefore not investigated. There was evidence to suggest that previous work had been performed at the site (e.g., the presence of a monitoring well field and physical site features indicating tank removal work) but no documentation was provided describing this work.

It was recommended that borings be extended in former automobile repair areas to document the integrity of subsurface soils in the vicinity of these historic activities. During fieldwork activities, one of the previously installed monitoring wells (identified as “MW-C”) was inspected and found to contain free product. Soil borings extended in the vicinity of the monitoring well documented the presence of petroleum contaminated soil at depths between 4 and 12’. Soil borings extended in the central and western portions of the site documented the presence of petroleum contaminated soils at the groundwater interface (between 7’ and 12’ bsg). Based on these site conditions, a spill event was reported to the NYSDEC and Spill Number 1010142 was assigned to the site.

The Phase I/II ESA recommended that contaminated soils in the vicinity of the central monitoring well be excavated and be properly disposed of off- site (it was estimated that ~300-500 cubic yards of such material was present on-site). The Phase I/II ESA also recommended that additional groundwater monitoring wells be installed to document the extent of dissolved VOC contamination.

Supplementary Phase II ESA

Fieldwork summarized in this document consisted of the installation of groundwater monitoring wells (identified as 2MW-1, 2MW02, and 2MW-3) and the extension of 5 borings (2B-1 through 2B-5) within the footprints of the two existing buildings. The Supplementary Phase II ESA found no field evidence of petroleum contamination in soil borings extended inside the former automotive repair structures. Laboratory data also documented the absence of other constituents of concern in samples collected from within these two structures. No further investigation of the subsurface within these two on-site structures was recommended.

Free product was again measured at monitoring well MW-C and 2MW-1. Elevated concentrations of VOCs were detected in monitoring well 2MW-2, located hydrologically downgradient of the locations where measureable free product on the groundwater was documented. These findings support the conclusion that previously documented on-site soil contamination has contaminated on-site groundwater. The Supplementary Phase II ESA concluded that it was likely that remediation of these soils will remove the source of the groundwater contamination.

Subsurface Investigation in Area of Disturbed Ground

Eleven test pits were extended in an area of disturbed ground that that been the location of a former on-site structure in the southeastern portion of the site on May 9, 2012. The purpose of the investigation was to document the presence or absence of regulated material in the subsurface (debris and/or field evidence of contamination). Test pits were extended using a standard back hoe (with a maximum reach of 14') below surface grade to a maximum depth of10' below grade where native, undisturbed soils were encountered.

Soils encountered during the extension of test pits generally consisted of medium reddish brown sandy soil with brick and concrete fragments. A stone foundation wall was encountered at six feet below grade at the far western portion of the site. No evidence of regulated materials or field evidence of contamination was encountered during the extension of test pits. In the absence of field evidence of contamination, no soil samples were collected and no further investigation was recommended.

2.3 Proposed Site Use

The site will be improved with a 71-unit HUD Section 202 - Supportive Housing for the elderly, mixed-finance rental building for very low-income elderly singles (< = 30% AMI and 30%-50% AMI). The building will be approximately 63,982 gross square feet and will have 8 above-ground residential floors and will be slab on grade with no basement. The building will have 70 one-bedroom apartments, 1 two-bedroom apartment for the Superintendent, surface parking, a laundry room, a community room and management offices.

3.0 SITE INVESTIGATION

3.1 General Provisions

This section describes the services conducted to complete Site characterization, including confirmation of prior investigative findings of petroleum contamination (see Section 2.2, above), and to close remaining data gaps (e.g., potential presence of metals, pesticides, or PCBs) prior to remediation and redevelopment of the Site under the Brownfield Cleanup Program.

3.1.1 Personnel/Subcontractors

ESI supervised the extension of mechanical soil borings using a truck-mounted auger by Zebra Inc. (Zebra). Test Pits were extended by Mac-Testa Contracting. ESI personnel collected soil, soil gas, and groundwater samples. Laboratory services were subcontracted to York Analytical Laboratories, Inc. (York), a New York State Environmental Laboratory Approval Program (ELAP) certified laboratory (ELAP Number 10854). Independent data usability assessment services will be provided by Enviroanalytics, Inc.

3.1.2 Fieldwork Observations, Sample Collection, and Sample Custody

An assessment of encountered field conditions (e.g., soil type and field indications of contamination) was made during the collection of all samples. A MiniRAE® 3000 (or equivalent) photo-ionization detector (PID), calibrated to read parts per million calibration gas equivalents (ppm-cge) of isobutylene, was utilized by ESI personnel where appropriate to screen all encountered material for the presence of volatile organic vapors. ESI personnel maintained field logs documenting field observations and measurements. Fieldwork observations are summarized in Table 2, Appendix C.

All samples were collected in a manner consistent with NYSDEC sample collection protocols. Dedicated, disposable gloves were worn by all personnel handling samples, and collected media was placed into appropriately preserved laboratory-supplied glassware or plastic containers (note: plastic containers were used for collection of groundwater samples for metals analysis). All sample containers were maintained at low temperature prior to, and during, transport to the laboratory for analytical testing. Appropriate chain-of-custody procedures were followed. Submission of samples for laboratory analysis is summarized in Table 1 (see Section 3.2.3 below).

3.1.3 Terminology

Standards, Criteria, and Guidance Levels (SCGs)

The term “SCG”, as defined in this RIR, refers to the concentration of a particular contaminant above which remedial actions are considered more likely. The overall objective of setting SCGs is to assess the integrity of on-site media relative to conditions that are likely to present a threat to public health or the environment, given the existing and probable future uses of the Site. On-site soils and groundwater with contaminant levels exceeding these SCGs are considered more likely to warrant remediation. No independent risk assessment was performed as part of this investigation.

A Track 4 remedy is contemplated for this Site, and laboratory findings are therefore compared to both Track 1 Unrestricted Use SCOs (UUSCOs) and Track 4 restricted SCOs for Restricted-Residential Use (RRUSCOs). Compounds without a listed SCO are compared to the Recommended Soil Cleanup Objectives (RSCOs) presented in NYSDEC Technical and Administrative Guidance Memorandum #4046 (TAGM 4046), including applicable subsequent NYSDEC memoranda.

Guidance levels for all compounds in water are based on NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1). All data presented in this RIR have been analyzed in accordance with applicable SCGs. Guidance levels for soil are referenced in units of mg/kg (parts per million [ppm]). Guidance levels for groundwater are referenced in units of µg/L (parts per billion [ppb]).

New York State currently does not have any standards, criteria, or guidance values for concentrations of compounds in soil vapor. The NYSDOH's *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* dated October 2006 is used to determine if and when actions are needed to prevent exposure due to soil vapor intrusion. A soil vapor/indoor air matrix is used to help guide decisions for a few volatile organic compounds including tetrachloroethene and trichloroethene.

Background Levels

The term “background level”, as defined in this RIR, is the concentration of a particular metal that is known to naturally occur in soils. The overall objective of setting background levels is to assess metal concentrations relative to those that are naturally occurring. On-site soils with concentrations exceeding these background levels are considered more likely to have been affected by anthropogenic contributions. No background sample was collected and analyzed for this investigation. Rather, the background levels for metals provided in this RIR are based on the NYSDEC’s Background Levels of Heavy Metals in Soils of the Lower Hudson Valley (Summary of Results), July 2003 [revised July 2006], and on data reported in TAGM 4046.

3.1.4 Deviations from the Remedial Investigation Work Plan

The NYSDEC provided written approval for the following deviations from the RIWP:

- no GPR was performed prior to fieldwork;
- test-pits (TP-1 through TP-7) were substituted for proposed borings; and,
- no soil vapor sample was collected from the western structure (a false floor prevented sample collection).

3.1.5 Pre-Investigation Services

ESI personnel conducted the following tasks:

- A utility mark-out was called in per New York State Department of Labor regulations and an existing survey was consulted. Subgrade utilities were identified in several areas where intrusive fieldwork was proposed and measures were instituted to avoid these utilities (e.g., alter sampling locations, as needed).

- Field equipment was calibrated prior to on-site use, in accordance with manufacturer's specifications.

- A Health and Safety Plan was reviewed with all on-site subcontractors. ESI personnel served as the Site Health and Safety officer during all on-site work.

- The NYSDEC Division of Environmental Remediation was notified prior to the commencement of fieldwork activities and NYSDEC personnel were present during some of the fieldwork.

3.2 Soil Investigation

3.2.1 Sample Collection Methodology

Seven (7) test-pits were extended at the site on June 10, 2014 (TP-1 through TP-7); four (4) mechanized borings were extended at the site on July 1, 2014 (3B-1 through 3B-4); and, three (3) hand borings (3HB-1 to 3HB-3) were extended at the site on August 28, 2014. The test pits and borings were completed in order to supplement data collected during previous on-site investigations and delineate known on-site contamination (see Section 2.2, above). Sampling locations are illustrated on the Fieldwork Map and critical Environmental Data Map (Figure 4, Appendix A).

The test pits were extended using an excavator with a maximum reach of 18' below surface grade. The borings were extended using a track-mounted geoprobe equipped with a direct-push, five-foot. Hand borings were extended using a direct push corer equipped with two foot disposable acetate sleeves. Sampling was conducted at each location at the surface (2") and at various subsurface depths as specified in the RIWP.

3.2.2 Fieldwork Observations

During the extension of test pits and borings, groundwater was encountered at depths between 8.5' and 9' below surface grade (bsg) and field evidence of moderate petroleum contamination (odors and staining) was encountered at the groundwater interface at test pits and borings extended down gradient of the former UST location (TP-3 and TP-4) and boring 3B-2 and 3B-3. Staining and slight odor was observed at TP-5. Bedrock was encountered at depths between 5' (TP-2) and 14' (TP-6).

Staining and slight petroleum odors were noted in subsurface material at depths between 3' and 9' below surface grade at TP-5. Urban fill was encountered at depths between the surface and 6' bsg at TP-3 and TP-6.

No field evidence of petroleum contamination was observed at TP-1, TP-2, TP-7, 3B-1, 3B-4, 3HB-1, 3HB-2 or 3HB-3. Evidence of urban fill soils was encountered at varying depths at TP-3, TP-4 and TP-6.

Field observations of petroleum contamination were consistent with existing data documenting the vertical and lateral extent of known petroleum contamination at the site.

ESI's fieldwork observations are summarized in Table 2, Appendix C.

3.2.3 Laboratory Results and Discussion

Samples were submitted to the laboratory for analysis based to provide a general screening of on-site soils per the RIWP. Laboratory submission of samples (including sample depths) are located in Table 1, below.

Table 1: Sample Submission

Analysis	Sample ID	Number of Samples
Full TCL (VOCs, SVOCs, TAL Metals, PCBs, Pesticides)	TP-1 (8.5'), TP-2 (0-2"), TP-3 (0-2"), TP-3 (8.5"), TP-5 (0-2"), TP-5 (5'), TP-7 (0-2"), 3B-2 (8.5') and 3HB-1 (2")	9
TCL VOCs, SVOCs and TAL Metals	TP-1 (0-2"), TP-1 (8.5') TP-2 (5'), TP-4 (0-2"), TP-4 (8.5') , TP-6 (0-2"), TP-6 (4'), TP-7 (8'), 3B-1 (2"), 3B-1 (8.5'), 3B-2 (0-2"), 3b-3 (2"), 3B-3 (15'), 3B-4 (2"), 3B-4 (8.5'), 3HB-1 (8.5), 3HB-3 (2"), 3HB-3 (8.5')	18
VOCs	3B-2 (18')	1
PCBs	3HB-2 (6'-8')	1
Petroleum Fingerprint Analysis	AST-1	1

Volatile organic compound (VOC), semi-volatile organic compound (SVOC), target analyte list (TAL) metals, pesticides, and polychlorinated biphenyl (PCB) concentrations in soil are summarized (respectively) in Tables 3, 4, 5, and 6 Appendix C and exceedances of guidance levels (UUSCOs and RRUSCOs) are depicted on Figures 5a-7, Appendix A. Full laboratory reports are provided in Appendix G and historic laboratory reports (from previous investigations) are provided in Appendix H.

Sample AST-1 was collected from the contents of the on-site 275-gallon above ground storage tank on July 1, 2014 and submitted for fingerprint analysis. Results confirmed that the remaining contents of the tank are #2 fuel oil.

3.2.3.1 Petroleum Impacts

Petroleum impacts to Site soils are discussed below.

VOCs

VOC concentrations in soil are summarized in Tables 3a and 3b, Appendix C. A map showing VOC concentrations in soils is included as Figures 5a and 5b, Appendix A.

Fieldwork performed during September 2010 had delineated the VOC contamination in the vicinity of the former UST. Samples B-1 (9'), B-2 (9'), B-3 (9'), B-8 (9'), B-11 (7.5'), B-13 (10'), B15 (12') and B-16 (11') were analyzed for VOCs utilizing USEPA Method 8260. Elevated concentrations of VOCs were detected in all analyzed samples, with the exception of B-16 (11'). Toluene, ethylbenzene, and xylenes and associated chemical compounds were detected at these locations at concentrations significantly above NYSDEC guidance levels. Peak VOC concentrations (detected in samples from B-8 and B-15) included: 1,2,4-trimethylbenzene at 120,000 µg/Kg (guidance level 3,600 µg/Kg); and, 120,000 µg/Kg total xylenes (guidance level 260 µg/Kg). Elevated concentrations of the same compounds were detected in all samples, excluding B-16 (11').

Field work performed as part of this RIR concentrated on those portions of the site not previously investigated (i.e. outside the area of the known gasoline contamination associated with the former UST). Twenty-eight (28) soil samples were submitted for analysis of VOCs. No concentrations of VOCs above Restricted Residential Use SCOs were detected. VOCs detected above Unrestricted Use SCOs include total xylenes (guidance level 20 ug/Kg) at 35 ug/Kg in 3B-2 2" and at 98 ug/Kg in 3B-2 (8.5'). No other VOCs were detected above unrestricted use guidance levels.

Together, the historical and current data support the conclusion that grossly contaminated soils requiring excavation and removal from the site are limited to the location of the former UST.

SVOCs

SVOC concentrations in soil are summarized in Tables 4a and 4b, Appendix C. A map showing SVOC concentrations in soils is included as Figure 6, Appendix A.

Field work performed during September 2010 in the vicinity of the former UST included analysis of samples B-1 (9'), B-3 (9'), B-8 (9') and B-16 (11') for PAHs using USEPA Method 8270. No PAHs were detected above guidance levels in any sample. Six PAHs were detected at concentrations below guidance levels in B-8 (9') and two in B-1 (9').

Twenty-seven (27) soil samples were submitted for analysis of semi-volatile organic compounds (SVOCs). Elevated concentrations were detected in three samples. Benzo (a) anthracene (guidance level 1,000 ug/Kg was detected at 2,330 ug/Kg in 3B-3 (2"), at 4,100 ug/Kg in TP-6 (2") and 2,490 ug/Kg in TP-6 (4'). Three other SVOCs were detected at concentrations above guidance levels in the TP-6 samples.

Together, the historical and current data support the conclusion that SVOC impacts at the site are associated with poor quality urban fill and are unrelated to the presence of the former UST. Laboratory data for on-site soils and groundwater, historical records and field evidence all support the conclusion that the former UST had been used to store gasoline and would not therefore have contributed to the presence of detectable concentrations of SVOCs at the site.

3.2.3.2 Non-Petroleum Impacts

No significant non-petroleum VOCs or SVOCs were detected.

Metals

Significant detections of TAL metals in soil are depicted on Figure 7, Appendix A. Metal concentrations in soil are summarized in Tables 5a and 5b, Appendix C. A map showing Metals exceedances of the guidance level in soils is included as Figure 7, Appendix A.

Twenty-six (26) soil samples were analyzed for TAL metals. Elevated concentrations of lead (RRUSCO 400 mg/Kg) were detected in TP-6 (2") at 509 mg/Kg and TP-6 (4') at 2050 mg/kg) and at 206 mg/Kg in TP-2 (0-2"). No other significant concentrations of metals were detected.

PCBs in Soil

PCB concentrations in soil are summarized in Tables 6a and 6b, Appendix C.

Ten (10) soil samples were analyzed for PCBs; no PCBs were detected in any of the soil samples. Detection limits for all analyses were below respective SCOs.

Pesticides in Soil

Pesticide concentrations in soil are summarized in Tables 6a and 6b, Appendix C.

Nine (9) soil samples were analyzed for organic pesticides. No pesticides were detected in any of the samples. Detection limits for all analyses were below respective SCOs.

3.2.3.3 Areal Extent of Petroleum Impacted Soils

As detailed above, elevated concentrations of gasoline-related compounds were detected at depths between 4' and 12' in the vicinity of the former UST near former monitoring wells MW-C and 2MW-1 (both now destroyed) during September 2010 fieldwork. The data associated with this fieldwork had documented significantly elevated total VOC concentrations accompanied by obvious odors, visual staining and elevated PID readings. These soils are considered by ESI to be "grossly contaminated" and will require excavation and removal.

The results of the 2014 fieldwork documented in this RIR support the conclusion that the grossly petroleum soil requiring removal is limited to this central portion of the site at the location of the former UST. Soil samples collected down gradient of the location of former UST (3B-2 8.5' and 3B-4 8.5') indicate low level concentrations of VOCs (below UUSCOs) at the groundwater interface although petroleum odors persist. This field evidence and laboratory data support the conclusion that these low-level impacts are caused by contaminated groundwater whose source is the grossly impacted soils located upgradient at the location of the former UST. It is anticipated that the removal of the contaminated source material will mitigate future impacts to downgradient soils at the groundwater interface and that these soils will not require excavation and removal. Subsequent to the excavation of the upgradient source material, an evaluation will be made as to whether insitu treatment of these soils is warranted.

Limited SVOC contamination associated with urban fill was documented at TP-6 and TP-2.

3.2.3.4 Areal Extent of Non-Petroleum Impacted Soils

Limited metals and SVOC contamination associated with urban fill was documented at TP-6 and TP-2.

3.3 Groundwater Investigation

3.3.1 Monitoring Well Installation and Development

Two groundwater monitoring wells (3MW-1 and 3MW-2) were installed to augment existing groundwater monitoring wells on the Site. Each well was constructed of two-inch PVC casing and 0.01-inch slotted PVC well screening, which extends above the water table. The annular spaces between well screens and boreholes were backfilled with clean sand, followed by an at least one-foot thick bentonite seal. The wells are protected by drive-over steel casings.

The two newly installed monitoring wells (and the previously existing monitoring well MW-A) were developed on July 16, 2014 in order to clear fine-grained material that might have settled around the well screen and to enhance the natural hydraulic connection between the well screen and the surrounding soils. Well development began at the top of the saturated portion of the screened interval to prevent clogging of the pump within the well casing. The wells were developed until the discharge water was free of sediment and the indicator parameters (pH, temperature, turbidity, dissolved oxygen, and specific conductivity) had stabilized. Well development was discontinued when the turbidity of the discharged water fell below 50 NTUs and the other parameters stabilized.

3.3.2 Groundwater Flow

As part of a previous investigation, ESI surveyed the height of each well casing relative to a fixed on-site benchmark, and measured depth to static groundwater using an electronic meter accurate to the nearest 0.01-foot. The lowest groundwater elevation occurs at 3MW-2, located in the sidewalk south of the site of the Site and the greatest elevation occurs at 3MW-1, at the central northern portion of the site. These data indicate that the groundwater generally flows in a southwesterly direction across the Site. Groundwater Flow is indicated on Figure 4, Appendix A.

3.3.3 Sample Collection Methodology

Groundwater

Groundwater sampling by ESI was initially conducted on March 3, 2009 (the existence of wells on the Site implies older groundwater data, but ESI does not have that information). Prior to sampling, each monitoring well casing was opened and the well column was immediately screened with a PID to document the presence of any volatile organic vapors. All wells were sampled using dedicated plastic tubing located near the well bottom.

Wells were sampled by using a peristaltic pump to purge a minimum of three well-volumes prior to sample collection. Each groundwater sample was collected into two, 40-ml sample vials (containing hydrochloric acid as a preservative) provided by the laboratory. After sample collection, the vials were placed in a cool (4^{o} C), dry place prior to their transport to the laboratory. Appropriate chain-of-custody procedures were followed.

Two wells are located on-site (3MW-1 and MW-A) and one well is located off-site (3MW-2). 3MW-1 and 3MW-2 were installed on July 1, 2014 and MW-A had been installed prior at an unknown date prior to 2007. Monitoring well locations are depicted on Figure 4, Appendix A.

As part of this investigation, a groundwater-quality monitoring event was conducted August 27, 2014. Samples were analyzed for VOCs, SVOCs, TAL metals, PCBs and Pesticides. Groundwater monitoring performed in 2011; however, laboratory analysis of the samples was limited to VOCs.

3.3.4 Fieldwork Observations

A moderate petroleum odor and positive PID reading (52 ppm) was observed at 3MW-2. No other field evidence of contamination was observed in wells 3MW-1 or MW-A. Historical observations were made of free product in MWC and 2MW-1 located in the vicinity of the former UST. These wells were subsequently destroyed. ESI's fieldwork observations are summarized in Table 2, Appendix C.

3.3.5 Laboratory Results and Discussion

Laboratory analysis of groundwater samples are summarized below. VOC concentrations in groundwater are summarized in Table 8, Appendix C, SVOC concentrations in groundwater are summarized in Table 9, Appendix C, and metal concentrations in groundwater are summarized in Table 10, Appendix C.

<u>VOCs</u>

Concentrations of gasoline-related VOCs (primarily BTEX and related compounds) above guidance levels were documented in the off-site well 3MW-2. Peak concentrations detected included: 1,2,4-trimethylbenzene (guidance level 5 ppb) at 35 ug/L); benzene (guidance level 1.0 ppb) at (310 ug/L); ethylbenzene (guidance level 5 ppb) at 91 ug/L; isopropylbenzene (guidance level 5 µg/L) at 10 ug/L; methyl tert-butyl ether (MTBE, guidance level 10 ppb) at 47 ug/L; naphthalene (guidance level 10 ppb) at 18 ug/L; and total xylenes (guidance level 5 ppb) at 90.

No VOCs were detected above laboratory minimum detection limits in samples 2MW-1 and MW-A. A map showing VOC concentrations in groundwater is included as Figure 8, Appendix A.

SVOCs

Naphthalene (guidance level 10 ug/L) was detected at 11 ug/L in sample 3MW-2. No other SVOCs were detected in groundwater samples.

Metals

Sodium (guidance level 20 mg/L) was detected at a concentration of 47.6 mg/L in 3MW-2. No other metals were detected above guidance levels in groundwater samples.

3.3.5.1 Comparison with Previous Sampling Rounds

During fieldwork performed on April 26, 2011, 1.1" of free product had been measured floating on the water at well 2MW-1 (the well was not sampled). This well had been installed in the central portion of the property at the location of the former tank grave to replace MW-C (installed prior to ESI's involvement) which had been destroyed. At 2MW-2 (down gradient and on-site, immediately north of the southern property line) elevated concentrations of gasoline-related VOCs were detected; the peak VOC concentration in the sample was total xylenes (guidance level 5 ug/L) at 3,000 ug/L.

At MW-A (southeastern corner of the property) one VOC, methylene chloride (guidance level 5ug/L), was detected at 6.9 ug/L. The sample from 2MW-3 (at the western property line) contained no detectable concentrations of VOCs. Other wells at the site (MW-D, MW-B) could not be sampled because they were dry.

Data from wells 3MW-1, 3MW-2 and MW-A from samples collected during the fieldwork for this RIR document the presence of gasoline-related contamination in the down gradient well (3MW-2) but not in the up gradient well (3MW-1) or the cross gradient well to the east (MW-A).

3.3.5.2 Areal Extent of Impacted Groundwater

Groundwater contamination has been documented in the central and southwestern portions of the site and has migrated off-site beneath the adjacent sidewalk. The areal extent of petroleum contamination in groundwater, based on the 2009 and 2014 sampling events, is depicted on Figure 4, Appendix A.

The data support the conclusion that the source of this dissolved contamination in the groundwater are the soils present in the immediate vicinity of the former UST.

3.4 Soil Vapor Investigation

3.4.1 Sampling Locations

Soil-vapor sampling was performed at the structure in the northeastern corner of the property. One soil vapor sample (SV-1) was collected. The locations of the soil vapor sample is depicted on Figure 4, Appendix A.

3.4.2 Sample Collection Methodology

In the northeast building which has an unfinished floor (no slab) a soil boring was extended six feet below grade. Sample tubing (0.188 inch inner diameter Teflon) was inserted into the boring, which was partially filled with clean well sand. The remaining aperture was sealed off with a non-VOC containing material to prevent surface air from entering the system. Air in the Teflon tubing was screened for VOCs with a PID prior to purging (no VOCs were detected). Helium was used to verify that adequate sampling techniques were being implemented (i.e. to verify the absence of significant infiltration of outside air), in accordance with methodology specified in the NYSDOH's Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006). Real-time sampling equipment was be used to verify the seal by documenting less than 10% helium detected.

Following purging of ambient air from the collection device and verifying the seal, soil gas sample was collected over a two-hour period (at a rate not exceeding 0.2 liters per minute) into a laboratory-certified clean Summa canisters equipped with a two-hour flow regulator.

3.4.3 Laboratory Results and Discussion

VOC concentrations in soil gas are summarized in Figure 3, Appendix A, and Table 11, Appendix C. New York State currently does not have soil vapor standards, criteria or guidance levels for most compounds.

An elevated concentration of PCE (549 µg/m^3) was detected in SV-1 (collected 7/16/14), located in the floor of the structure at the northeast corner of the project site. No other significant VOC concentrations were detected in the sample.

The presence of PCE in the on-site soil gas indicates that solvent-contaminated material may be present in the subsurface or that solvents may be entrained in the floor. No significant contamination by this compound has been detected in the soils samples collected in the vicinity (2B-3, 2B-4 and 2B-5, collected on 4/26/2011, or 3HB-3, collected on 8/27/2014) although PCE at a concentration of 3.1 ug/kg had been detected at the 9' depth at B-2, located outside the structure to the southwest (collected 9/21/10). PCE was not detected in the down gradient well (3MW-1), supporting the conclusion that the extent of any soils contaminated with solvents is likely limited.

3.4.3.1 Areal Extent of Vapor Impacts

Data for sample SV-1 support the conclusion that any PCE impacts to the subsurface in the vicinity of the northeast portion of the site are unlikely to be either widespread or impacting groundwater.

Off-site groundwater contamination at 3MW-2 suggest vapor impacts may extend off-site to the southwest.

3.5 Data Validation

A Full laboratory data packages have been provided to an independent, third-party for creation of Data Usability Summary Report (DUSR). DUSRs have been prepared for test pit and boring data and are included as Appendix I. DUSRs for hand boring, groundwater and soil vapor data are still being prepared as of the date of this RIR.

The inorganics analysis data have been determined to be usable for qualitative and quantitative purposes with qualification. Sample results for several analytes were qualified based on deviations from matrix spike analysis criteria.

The volatile organics analysis data were determined to be usable for qualitative and quantitative purposes with the exception of Acetone which was rejected in samples TP-1 0-2", TP-1 8.5', TP-2 0-2", TP-2 5', TP-3 0-2", TP-3 8.5', TP-4 0-2", TP-4 8.5', TP-5 0-2", TP-5 5', TP-6 0-2", TP-6 4', TP-7 0-2" and TP-7 8' do continuing calibration criteria deviations and Dibromochlormethane which was rejected in samples 3B-1 2", 3B-1 8.5', 3B-2 2", 3B-2 8.5', 3B-2 18", 3B-3 2", 3B-3 15', 3B-4 2" and 3B-4 8.5' due to continuing calibration, laboratory control sample and matrix spike control sample deviations. Sample results for several compounds were also qualified based on deviations from initial calibration and continuing calibration criteria.

The semivolatile organics analysis data were determined to be usable for all samples. Sample results for several compounds were also qualified based on deviations from initial calibration and continuing calibration criteria.

The pesticides/PCBs analyses data were determined to be usable for qualitative and quantitative purposes as reported.

The findings and conclusions of this RIR (see Section 4 below) are not impacted by the data qualifications in the DUSR.

3.6 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

Areas of surface soil contamination, which are not at present covered by buildings and/or pavement, are limited in areal extent and access to the site is restricted by a fence. These conditions are likely to minimize exposure to contaminants in surface soils.

Contaminated subsurface soils are present at well-defined portions of the Site (former UST grave and areas of urban in the eastern and central portions of the site). There are, however, no ongoing exposures to these contaminants.

Groundwater contains contaminants at levels with the potential to represent a health risk; however, the project site and adjoining and surrounding properties are served by the municipal water supply and there are no known uses of groundwater in the vicinity.

Vapor intrusion into adjoining buildings to the west (from off-gassing of dissolved VOCs in the groundwater) is possible and will be evaluated as a component of post-remedial groundwater monitoring.

Direct contact and/or inhalation of contaminated soils, groundwater, soil vapors or dust generated during future soil excavation are the most likely exposure pathways. Ingestion of contaminated media is another possible exposure pathway (ingestion of contaminated water is not a reasonable route of exposure as the Site is served by the public water supply). On-site workers (or trespassers) present during future remediation and/or development activities are the most likely receptor population through dermal contact with soil or groundwater during such activities. The implementation of a Health and Safety Plan (incorporating a Community Health and Safety Plan), and Community Air-Monitoring Plan, will mitigate possible impacts to any potential receptor populations. Any Site-specific remedial designs that involve soil disturbance will be monitored, and mitigation plans to address potential dust generation and increased contaminant migration will be implemented.

Removal of contaminated soil, installation of a barrier soil layer and the use of engineering controls to mitigate contaminated soil vapor at this Site will prevent migration of the contamination from the soil and protect groundwater. Low-level residual contamination remaining in Site soils is likely to be relatively non-mobile and will be physically sequestered from surface areas.

4.0 CONCLUSIONS AND RECOMMENDATIONS

This office has completed the environmental investigative services summarized in Section 3.0 at the property located at 7-17 Ludlow Street, Yonkers, New York. The investigation was conducted in order to determine the impacts from historical Site uses and to provide guidance on response actions warranted to address identified environmental conditions.

4.1 Conclusions

Sufficient testing has been completed during the current sampling round and can be combined with previously collected data to provide the following conclusions:

1. Field evidence and laboratory analysis of soil samples confirms the presence of gasoline-related petroleum contamination on the central portion of the Site. This contamination is likely associated with historical releases from an on-site UST or from appurtenant piping; the absence of surface soil contamination supports the conclusion that contamination likely resulted from a tank and/or line failure.

   The areal and vertical extent of on-site petroleum contaminated soil requiring excavation and removal is limited to the immediate vicinity of the former UST and has been sufficiently defined, based on a combination of field observations and laboratory data. Delineation of the site supports the conclusion that these soils are the source of down-gradient groundwater contamination and associated impacts to soils at the groundwater interface. Groundwater data for the off-site well indicates that groundwater contamination extends sidewalk to the south. Data and field evidence support the conclusion that the removal of the grossly contaminated soils in the vicinity of the former UST will mitigate down-gradient impacts.

   The estimated volume of on-site petroleum-contaminated soil in the vicinity of the former UST that requires excavation and removal is 500 cubic yards. Of this volume, a smaller volume (estimated at 300 cubic yards) exhibits both field evidence and laboratory concentrations which would classify the soil as “grossly contaminated".

2. Urban fill soils (i.e. physically represented as soils containing brick, concrete, wood, metal and other remnants of former structures and chemically characterized as soils with heavier petroleum hydrocarbons) are present in the upper stratum of the soil column across southern portions of the site. Urban fill soils vary in depth from a maximum depth of six feet in the southeast to two feet in the northwest. Exclusive of petroleum contaminated soils, it is estimated that a total volume of 3,400 cubic yards of urban fill is present on the site.

3. Data from these groundwater samples confirmed the absence of groundwater contamination upgradient (and cross gradient to the east) of the former tank grave. Off-site petroleum contamination was documented down gradient of the former tank grave. These findings support the conclusion that on-site petroleum contaminated soils have impacted on-site groundwater and that dissolved petroleum hydrocarbons are exiting the site.

4. Tetrachloroethylene and various petroleum hydrocarbons were detected in a soil gas sample collected beneath an existing on-site structure. Data support the need for active vapor interception. No PCBs were identified in the location of the hydraulic lift in the western structure.

The presence of the new building and parking will serve as a protective barrier layer over any residual on-site contamination. Given this barrier layer, the absence of any planned uses for on-site groundwater, and the heavily developed nature of the surrounding area, no exposures to any residual contamination are likely.

4.2 Recommendations

The following response actions are warranted at this Site:

1. Soil excavation of sufficient extent to remove the source area of petroleum contamination.

2. Removal of additional surface material (urban fill) to permit construction of the proposal structure.

3. Implementation of an in-situ treatment system for remaining petroleum contaminated soil.

4. Installation of a subslab depressurization system (SSDS) within the proposed structure in order to intercept and divert any potential contaminant vapors associated with residual on-site or off-site contamination.

5. Post-remedial groundwater monitoring (on and off-site) will generate data used to determine whether there is a potential for vapor impacts to off-site receptors. Details of this screening procedure will be provided in the RAWP.

APPENDIX A

Figures

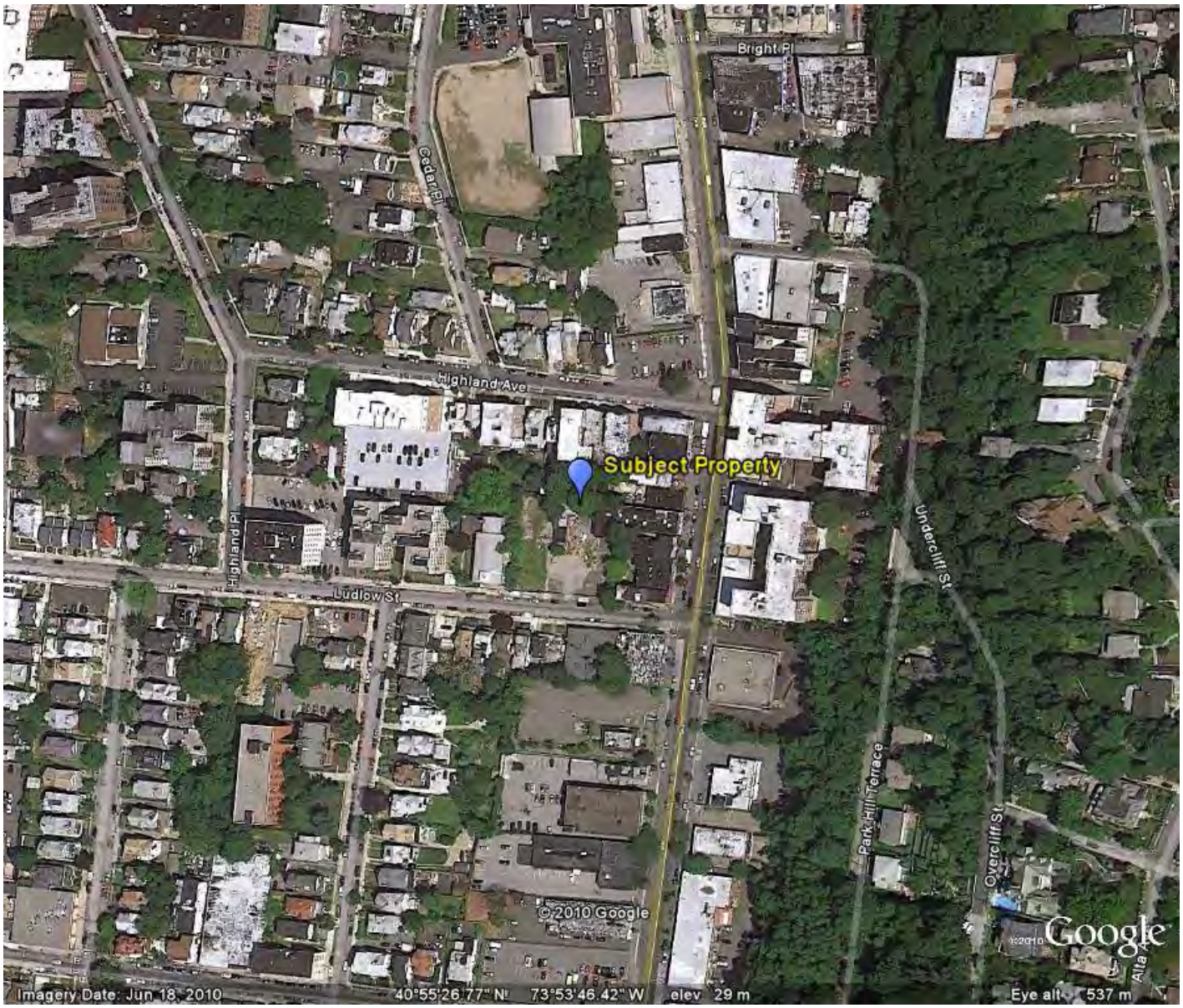


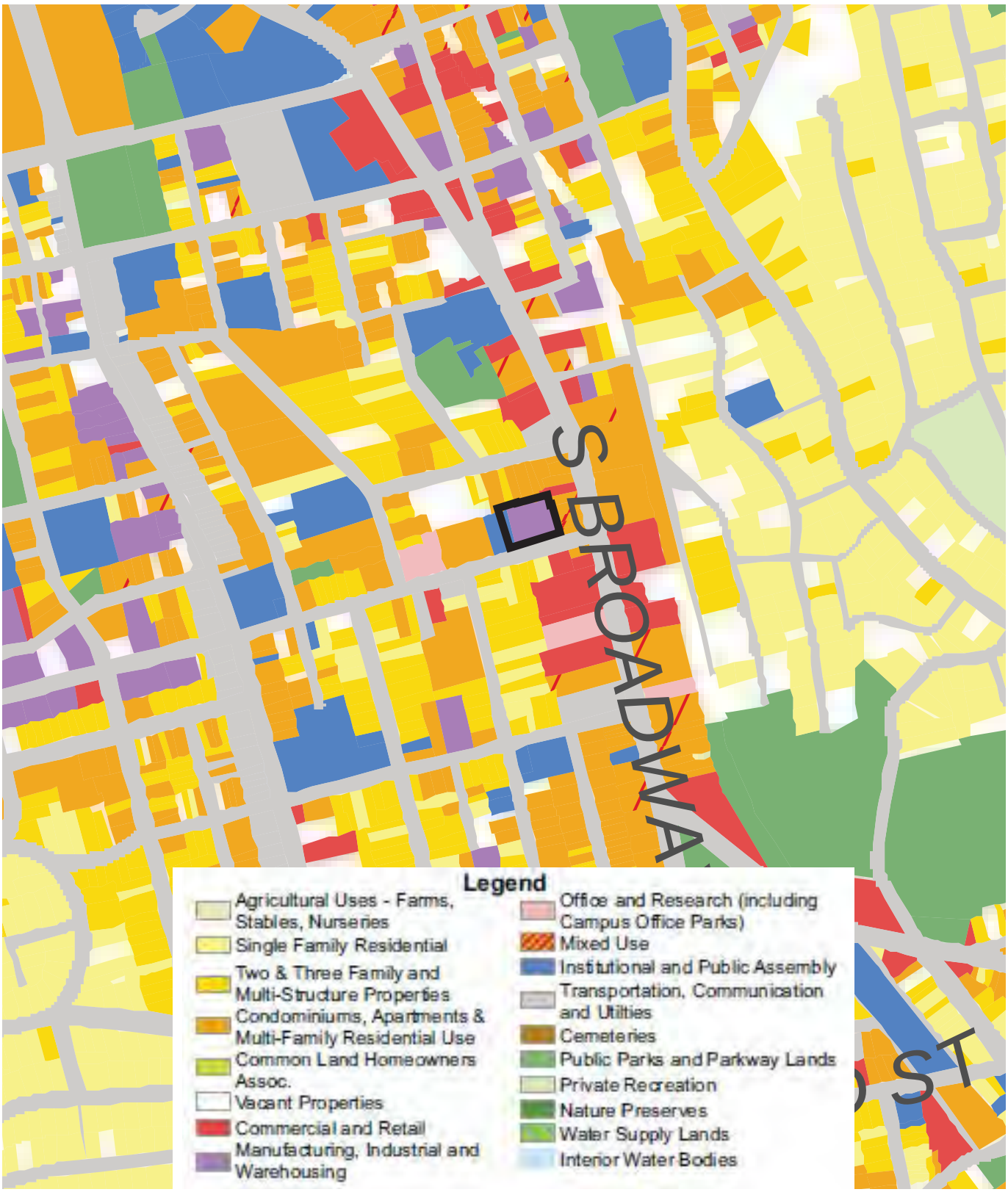
Figure 1
Site Location Map
7-17 Ludlow Street
City of Yonkers
Westchester County, New York

N

ESI File: WY07054.50

November 2014

Appendix A



Map provided by City of Yonkers Land Use -.Westchestergov.com

Figure 2: Land Use Map

7-17 Ludlow Street
City of Yonkers
Westchester County, New York

Legend:

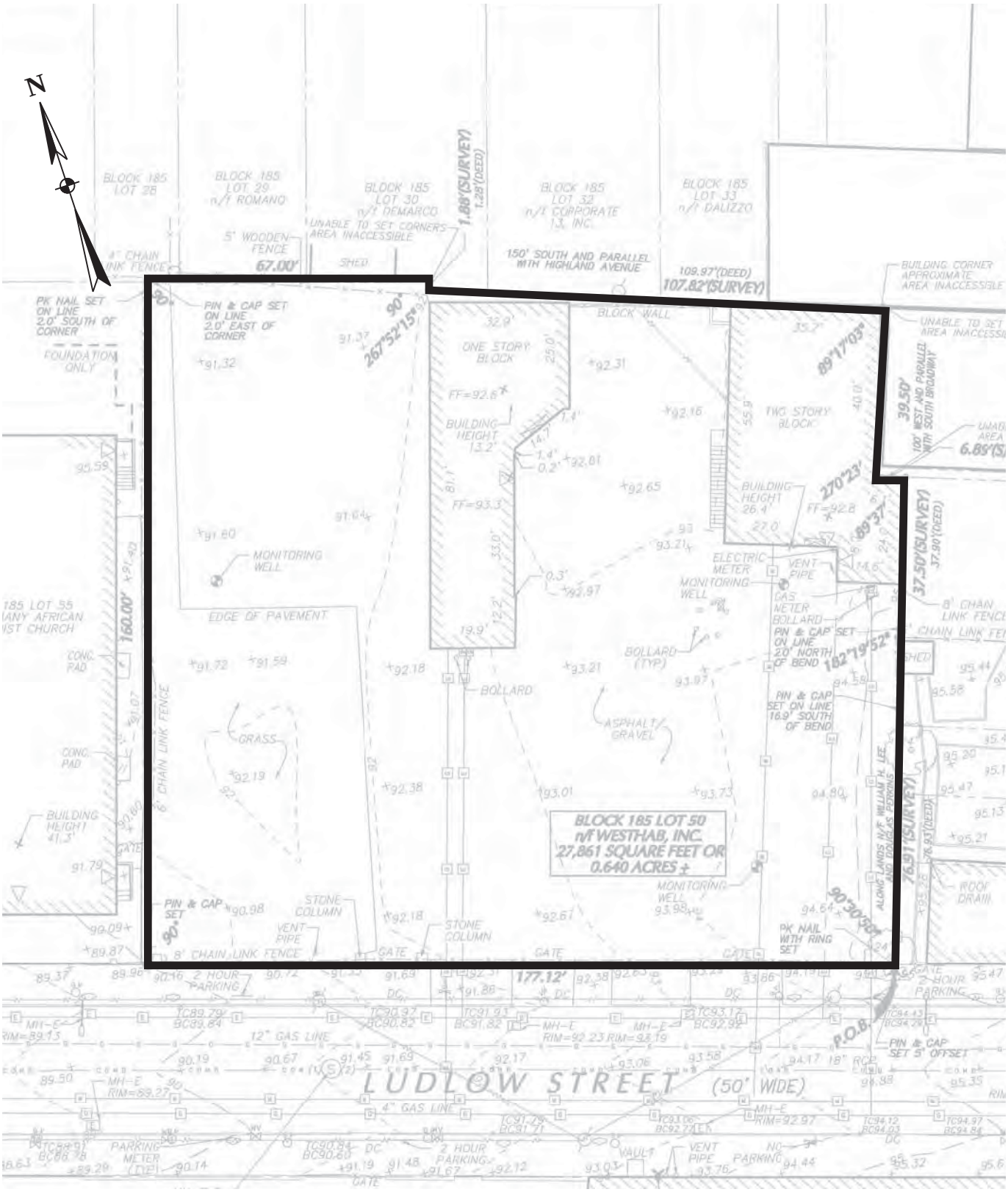
subject property border

ESI File: WY07054.50

November 2014

Scale: 500'

Appendix A



Base map provided by Langan Engineering - Drawing VT101 dated 5/12/12. All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 3: Selected Site Features

7-17 Ludlow Street
City of Yonkers
Westchester County, New York

Legend:

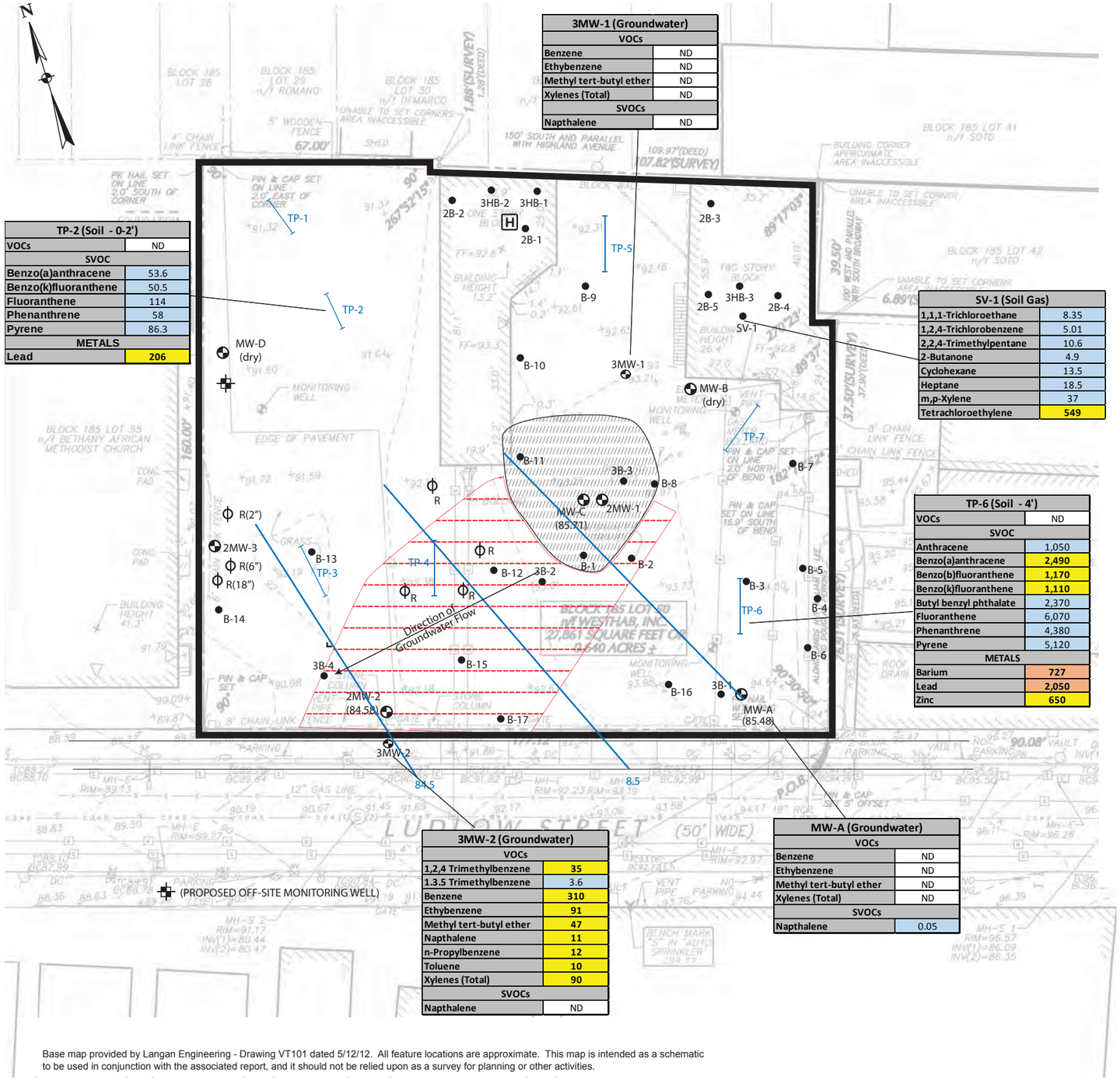
subject property border

ESI File: WY07054.50

November 2014

Scale: 20'

Appendix A



3MW-1 (Groundwater)	
VOCs	
Benzene	ND
Ethybenzene	ND
Methyl tert-butyl ether	ND
Xylenes (Total)	ND
SVOCs	
Napthalene	ND

TP-2 (Soil - 0-2')	
VOCs	ND
SVOC	
Benzo(a)anthracene	53.6
Benzo(k)fluoranthene	50.5
Fluoranthene	114
Phenanthrene	58
Pyrene	86.3
METALS	
Lead	206

SV-1 (Soil Gas)	
1,1,1-Trichloroethane	8.35
1,2,4-Trichlorobenzene	5.01
2,2,4-Trimethylpentane	10.6
2-Butanone	4.9
Cyclohexane	13.5
Heptane	18.5
m,p-Xylene	37
Tetrachloroethylene	549

TP-6 (Soil - 4')	
VOCs	ND
SVOC	
Anthracene	1,050
Benzo(a)anthracene	2,490
Benzo(b)fluoranthene	1,170
Benzo(k)fluoranthene	1,110
Butyl benzyl phthalate	2,370
Fluoranthene	6,070
Phenanthrene	4,380
Pyrene	5,120
METALS	
Barium	727
Lead	2,050
Zinc	650

3MW-2 (Groundwater)	
VOCs	
1,2,4 Trimethylbenzene	35
1.3.5 Trimethylbenzene	3.6
Benzene	310
Ethybenzene	91
Methyl tert-butyl ether	47
Napthalene	11
n-Propylbenzene	12
Toluene	10
Xylenes (Total)	90
SVOCs	
Napthalene	ND

MW-A (Groundwater)	
VOCs	
Benzene	ND
Ethybenzene	ND
Methyl tert-butyl ether	ND
Xylenes (Total)	ND
SVOCs	
Napthalene	0.05

(PROPOSED OFF-SITE MONITORING WELL)

LEGEND:

- Subject property border
- Monitoring well location
- Sample location
- Test pit location
- Hydraulic lift
- Φ_R Refusal location
- Petroleum contaminated soil in saturated zone
- Field evidence of soils grossly contaminated with Petroleum Hydrocarbons
- Isogradients for groundwater elevation
- Proposed monitoring well

results in blue shade indicates detectable concentrations
results in yellow shade indicates exceedance of unrestricted regulatory criteria
results in orange shade indicates exceedance in restricted use residential regulatory criteria
ND = not detected
Soil VOCs and SVOCs results in ug/kg (parts per billion)
Soil Metals results in mg/kg (parts per million)
Groundwater data results in ug/L
Soil Gas data in ug/m3

Base map provided by Langan Engineering - Drawing VT101 dated 5/12/12. All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

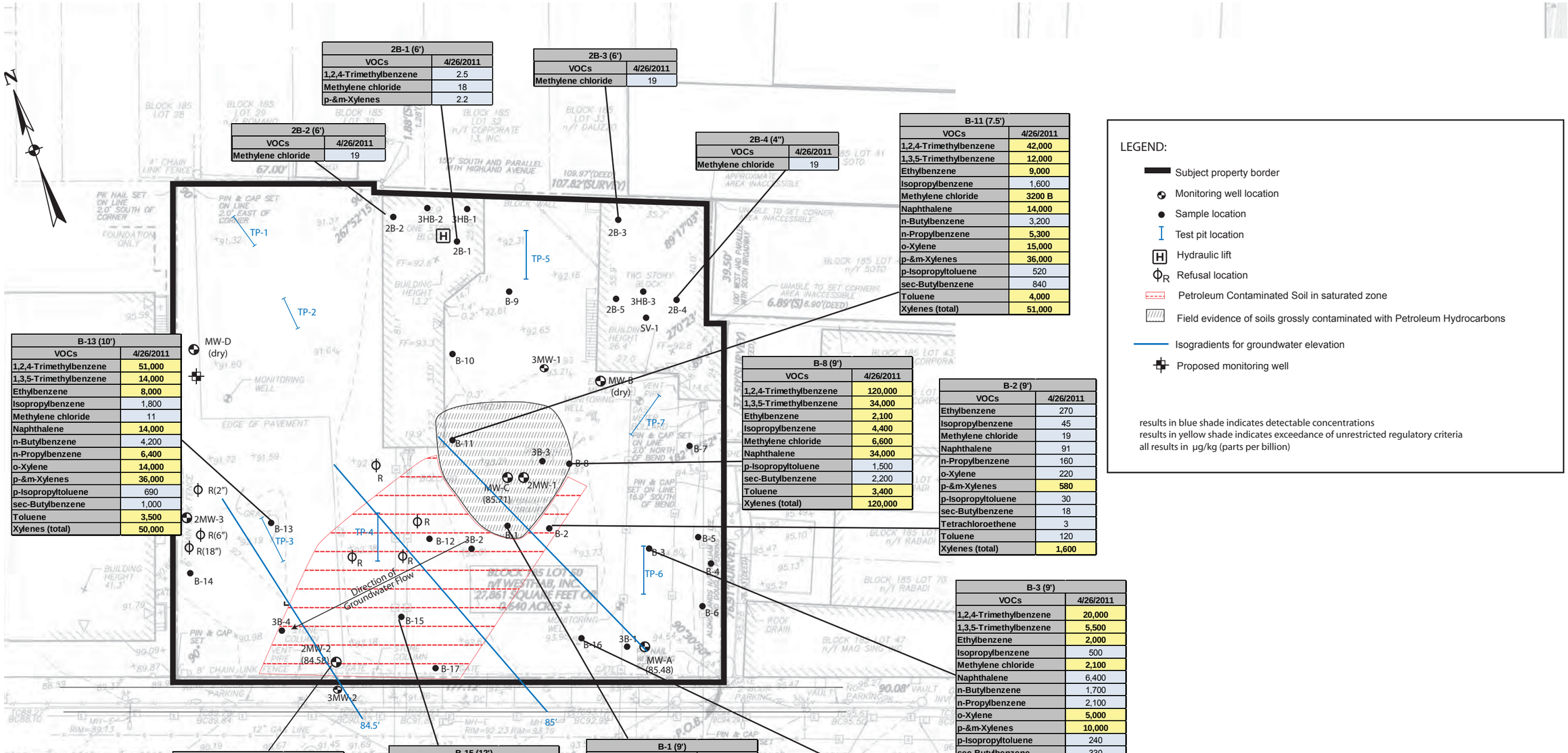
Figure 4: Fieldwork with Critical Environmental Data

7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054.50

Scale: 20'

September 2014 | Appendix A



2B-1 (6')	
VOCs	4/26/2011
1,2,4-Trimethylbenzene	2.5
Methylene chloride	18
p-&m-Xylenes	2.2

2B-3 (6')	
VOCs	4/26/2011
Methylene chloride	19

2B-2 (6')	
VOCs	4/26/2011
Methylene chloride	19

2B-4 (4")	
VOCs	4/26/2011
Methylene chloride	19

B-11 (7.5')	
VOCs	4/26/2011
1,2,4-Trimethylbenzene	42,000
1,3,5-Trimethylbenzene	12,000
Ethylbenzene	9,000
Isopropylbenzene	1,600
Methylene chloride	3200 B
Naphthalene	14,000
n-Butylbenzene	3,200
n-Propylbenzene	5,300
o-Xylene	15,000
p-&m-Xylenes	36,000
p-Isopropyltoluene	520
sec-Butylbenzene	840
Toluene	4,000
Xylenes (total)	51,000

B-13 (10')	
VOCs	4/26/2011
1,2,4-Trimethylbenzene	51,000
1,3,5-Trimethylbenzene	14,000
Ethylbenzene	8,000
Isopropylbenzene	1,800
Methylene chloride	11
Naphthalene	14,000
n-Butylbenzene	4,200
n-Propylbenzene	6,400
o-Xylene	14,000
p-&m-Xylenes	36,000
p-Isopropyltoluene	690
sec-Butylbenzene	1,000
Toluene	3,500
Xylenes (total)	50,000

B-8 (9')	
VOCs	4/26/2011
1,2,4-Trimethylbenzene	120,000
1,3,5-Trimethylbenzene	34,000
Ethylbenzene	2,100
Isopropylbenzene	4,400
Methylene chloride	6,600
Naphthalene	34,000
p-Isopropyltoluene	1,500
sec-Butylbenzene	2,200
Toluene	3,400
Xylenes (total)	120,000

B-2 (9')	
VOCs	4/26/2011
Ethylbenzene	270
Isopropylbenzene	45
Methylene chloride	19
Naphthalene	91
n-Propylbenzene	160
o-Xylene	220
p-&m-Xylenes	580
p-Isopropyltoluene	30
sec-Butylbenzene	18
Tetrachloroethene	3
Toluene	120
Xylenes (total)	1,600

B-3 (9')	
VOCs	4/26/2011
1,2,4-Trimethylbenzene	20,000
1,3,5-Trimethylbenzene	5,500
Ethylbenzene	2,000
Isopropylbenzene	500
Methylene chloride	2,100
Naphthalene	6,400
n-Butylbenzene	1,700
n-Propylbenzene	2,100
o-Xylene	5,000
p-&m-Xylenes	10,000
p-Isopropyltoluene	240
sec-Butylbenzene	330
Toluene	200
Xylenes (total)	15,000

2MW-2 (8')	
VOCs	4/26/2011
1,2,4-Trimethylbenzene	9,500
1,3,5-Trimethylbenzene	3,400
Ethylbenzene	1,400
Isopropylbenzene	490
Methylene chloride	6.6
Naphthalene	1,700
n-Butylbenzene	1,000
n-Propylbenzene	1,900
o-Xylene	1,400
p-&m-Xylenes	4,900
p-Isopropyltoluene	180
sec-Butylbenzene	270
Xylenes (total)	6,300

B-15 (12')	
VOCs	4/26/2011
1,2,4-Trimethylbenzene	99,000
1,3,5-Trimethylbenzene	30,000
Ethylbenzene	26,000
Isopropylbenzene	4,800
Methylene chloride	9.5
Naphthalene	23,000
n-Butylbenzene	9,000
n-Propylbenzene	15,000
o-Xylene	31,000
p-&m-Xylenes	90,000
p-Isopropyltoluene	1,900
Toluene	6,000
Xylenes (total)	120,000

B-1 (9')	
VOCs	4/26/2011
1,2,4-Trimethylbenzene	46,000
1,3,5-Trimethylbenzene	13,000
Ethylbenzene	10,000
Isopropylbenzene	2,100
Methylene chloride	50
Naphthalene	15,000
n-Butylbenzene	4,400
n-Propylbenzene	6,100
o-Xylene	16,000
p-&m-Xylenes	36,000
p-Isopropyltoluene	1,100
sec-Butylbenzene	1, 400
Toluene	1,800
Xylenes (total)	52,000

B-16 (11')	
VOCs	4/26/2011
1,2,4-Trimethylbenzene	11
Methylene chloride	27
Naphthalene	45
p-&m-Xylenes	2.8
Xylenes (total)	2.8

LEGEND:

- Subject property border
- Monitoring well location
- Sample location
- Test pit location
- Hydraulic lift
- ϕ_R Refusal location
- Petroleum Contaminated Soil in saturated zone
- Field evidence of soils grossly contaminated with Petroleum Hydrocarbons
- Isogradients for groundwater elevation
- Proposed monitoring well

results in blue shade indicates detectable concentrations
results in yellow shade indicates exceedance of unrestricted regulatory criteria
all results in µg/kg (parts per billion)

Base map provided by Langan Engineering - Drawing VT101 dated 5/12/12. All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

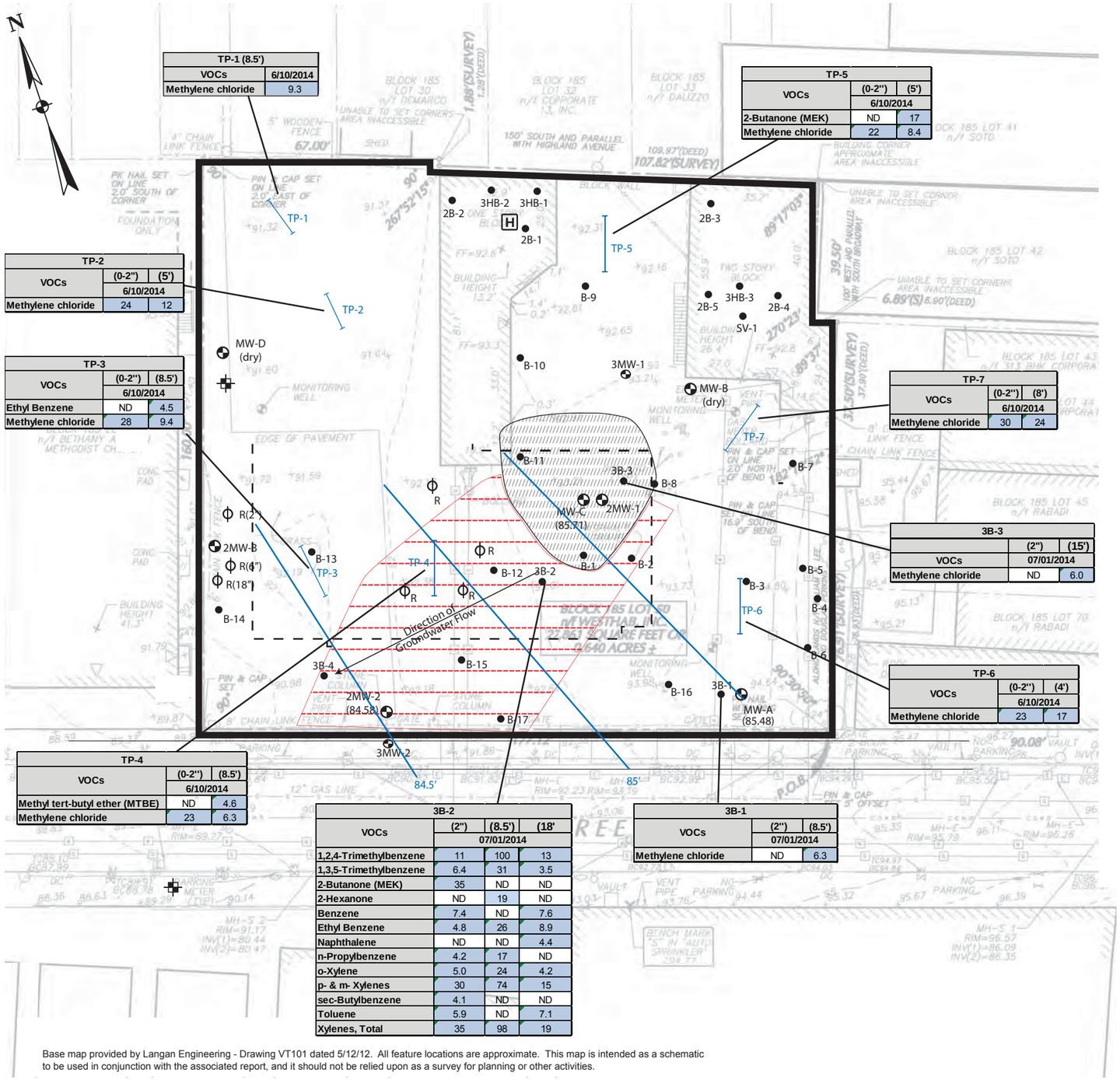
Figure 5a: VOCs in Soils - (Historical)
(Sampling Date 4/26/2011)

7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054.50

Scale: 20'

November 2014 | Appendix A



Base map provided by Langan Engineering - Drawing VT101 dated 5/12/12. All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 5b: VOCs in Soils
(Sampling Dates 6/10/2014 & 7/1/2014)

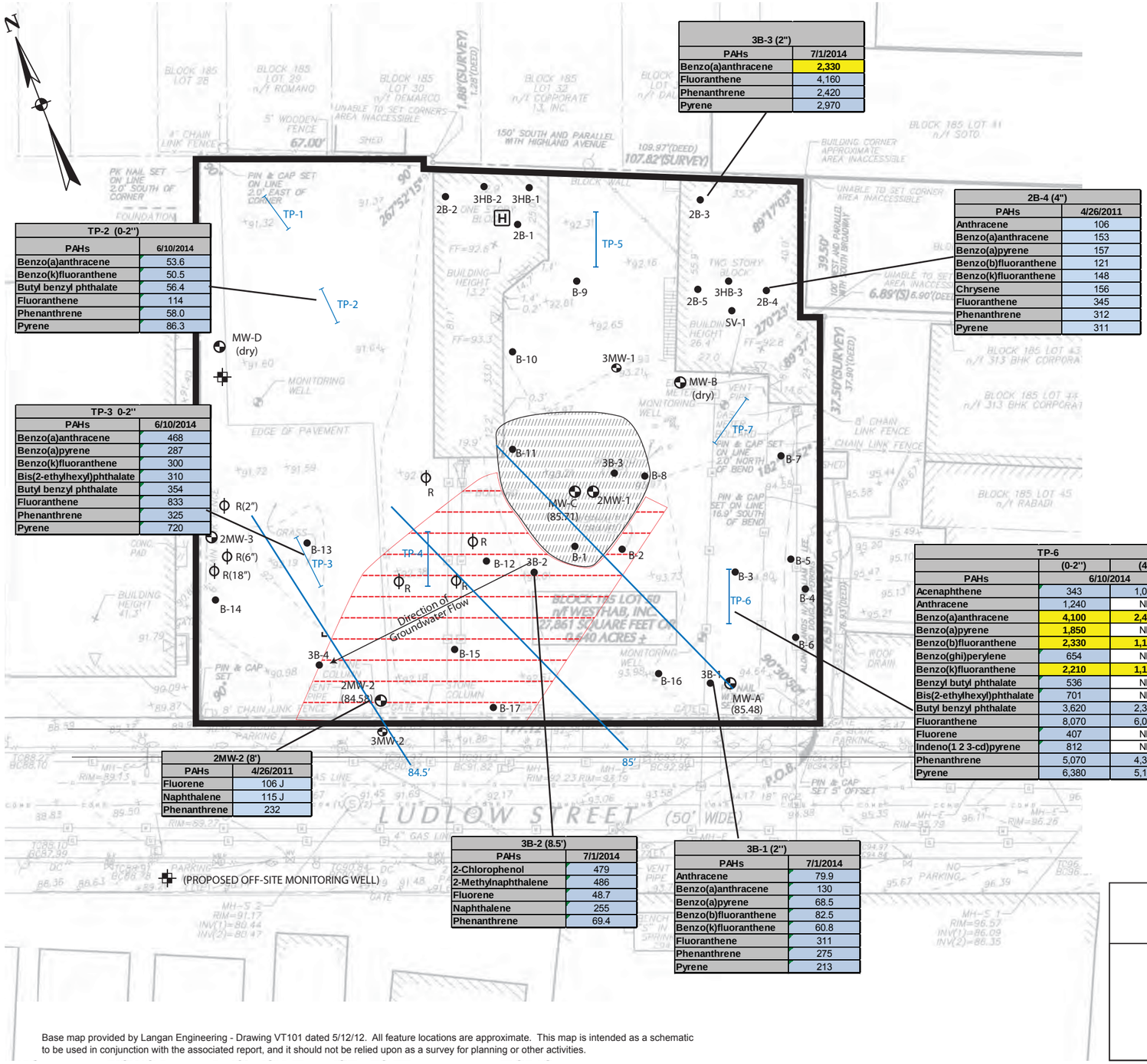
7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054.50

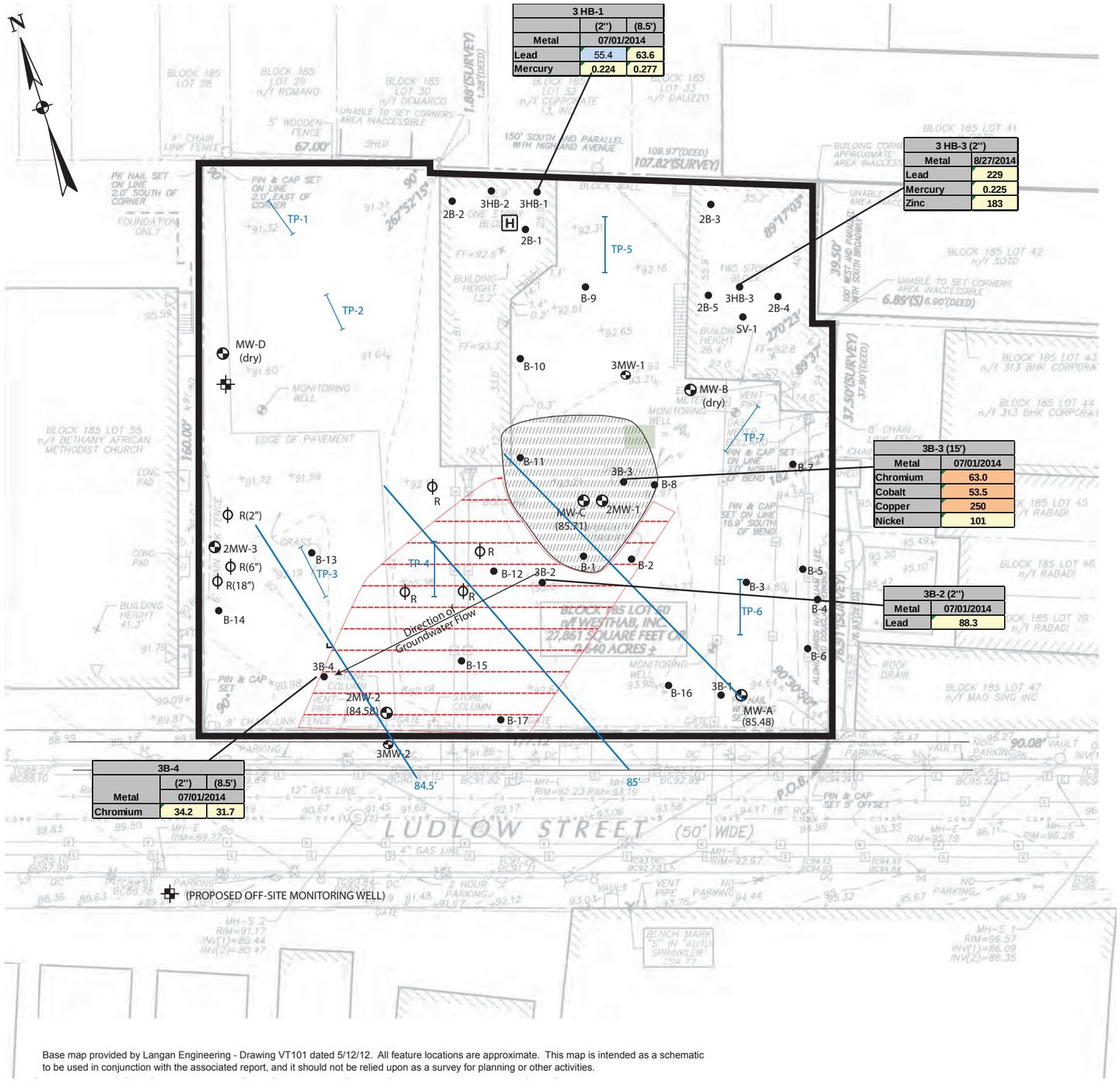
Scale: 20'

November 2014 | Appendix A

Ecosystems Strategies, Inc.


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BLOCK 185 LOT 28
BLOCK 185 LOT 29 n/f ROMANO
BLOCK 185 LOT 30 n/f DEMARCO
BLOCK 185 LOT 32 n/f CORPORATE 13, INC.
BLOCK 185 LOT 41 n/f SOTO
BLOCK 185 LOT 43 n/f 313 BHK CORPORA
BLOCK 185 LOT 44 n/f 313 BHK CORPORAT
BLOCK 185 LOT 45 n/f RABADI
4' CHAIN LINK FENCE
5' WOODEN FENCE
67.00'
SHED
UNABLE TO SET CORNERS AREA INACCESSIBLE
1.88'(SURVEY) 1.29'(DEED)
150' SOUTH AND PARALLEL WITH HIGHLAND AVENUE
109.97'(DEED) 107.82'(SURVEY)
BUILDING CORNER APPROXIMATE AREA INACCESSIBLE
UNABLE TO SET CORNER AREA INACCESSIBLE
PK NAIL SET ON LINE 2.0' SOUTH OF CORNER
PIN & CAP SET ON LINE 2.0' EAST OF CORNER
FOUNDATION
BLOCK WALL
TWO STORY BRICK BUILDING
BUILDING HEIGHT 13.2'
BUILDING HEIGHT 26.4'
FF=92.6
FF=93.3
MONITORING WELL
EDGE OF PAVEMENT
8' CHAIN LINK FENCE
CHAIN LINK FENCE
PIN & CAP SET ON LINE 2.0' NORTH OF BEND
PIN & CAP SET ON LINE 16.9' SOUTH OF BEND
PIN & CAP SET 5' OFFSET
ROOF DRAIN
BUILDING HEIGHT 41.3
CONC PAD
GRASS
GATE
STONE COLUMN
PIPE
8' CHAIN LINK FENCE
MONITORING WELL
93.90
93.95
94.64
94.84
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TC@-20.38
BC@-20.58
TC@-20.48
BC@-20.68
T

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LEGEND:

- Subject property border
- Monitoring well location
- Sample location
- Test pit location
- Hydraulic lift
- Φ_R Refusal location
- Petroleum Contaminated Soil in saturated zone
- Field evidence of soils grossly contaminated with Petroleum Hydrocarbons
- Isogradients for groundwater elevation
- Proposed monitoring well

results in blue shade indicates detectable concentrations
results in yellow shade indicates exceedance of unrestricted regulatory criteria
results in orange shade indicates exceedande of restricted residential criteria
ND = not detected
all results in mg/kg (parts per million)

Base map provided by Langan Engineering - Drawing VT101 dated 5/12/12. All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

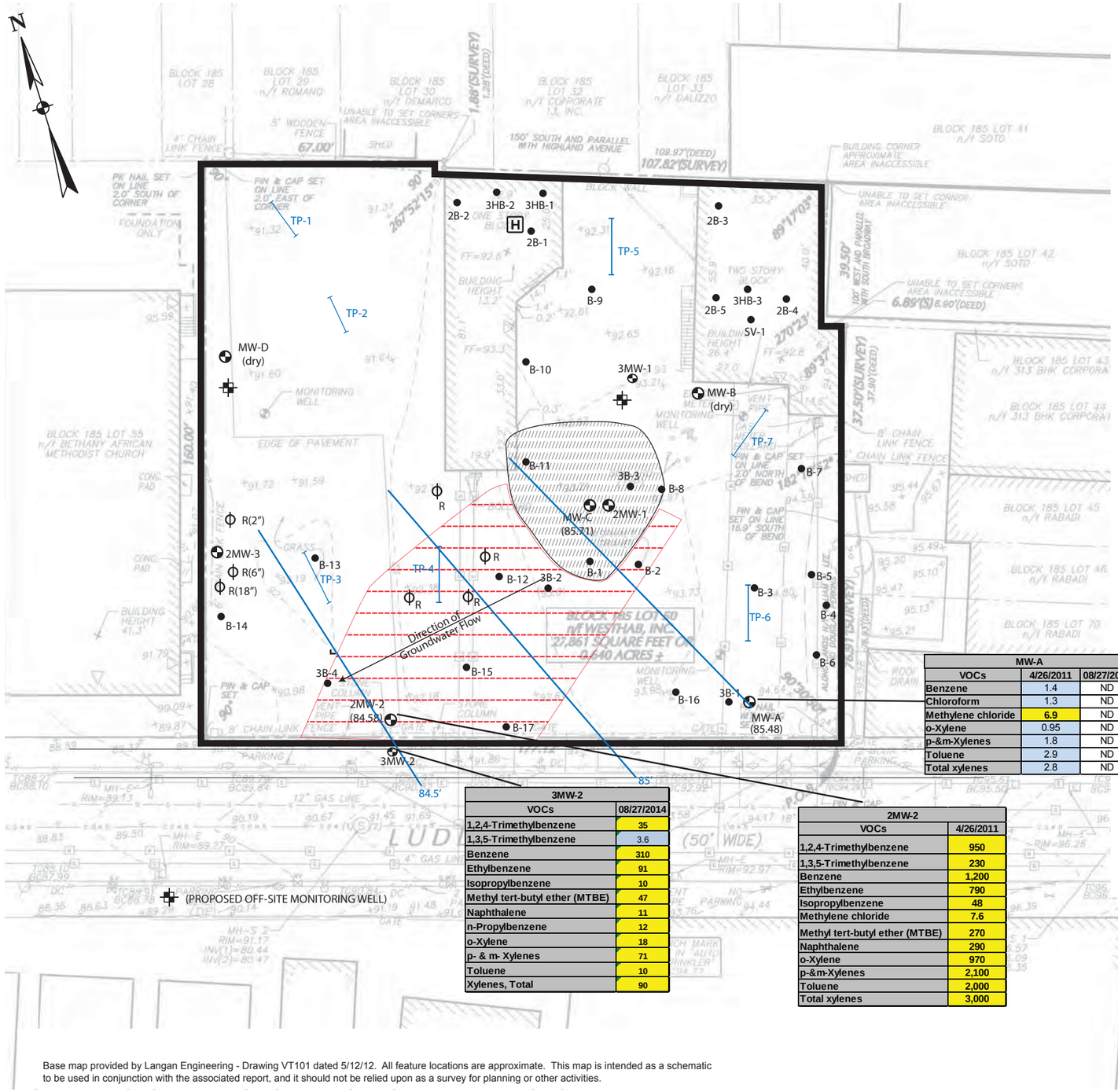
Figure 7: Exceedances of Metals in Soils

7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054.50

Scale: 20'

November 2014 | Appendix A



MW-A		
VOCs	4/26/2011	08/27/2014
Benzene	1.4	ND
Chloroform	1.3	ND
Methylene chloride	6.9	ND
o-Xylene	0.95	ND
p-&m-Xylenes	1.8	ND
Toluene	2.9	ND
Total xylenes	2.8	ND

3MW-2	
VOCs	08/27/2014
1,2,4-Trimethylbenzene	35
1,3,5-Trimethylbenzene	3.6
Benzene	310
Ethylbenzene	91
Isopropylbenzene	10
Methyl tert-butyl ether (MTBE)	47
Naphthalene	11
n-Propylbenzene	12
o-Xylene	18
p- & m- Xylenes	71
Toluene	10
Xylenes, Total	90

2MW-2	
VOCs	4/26/2011
1,2,4-Trimethylbenzene	950
1,3,5-Trimethylbenzene	230
Benzene	1,200
Ethylbenzene	790
Isopropylbenzene	48
Methylene chloride	7.6
Methyl tert-butyl ether (MTBE)	270
Naphthalene	290
o-Xylene	970
p-&m-Xylenes	2,100
Toluene	2,000
Total xylenes	3,000

LEGEND:

- Subject property border
- Monitoring well location
- Sample location
- Test pit location
- Hydraulic lift
- Φ_R Refusal location
- Petroleum Contaminated Soil in saturated zone
- Field evidence of soils grossly contaminated with Petroleum Hydrocarbons
- Isogradients for groundwater elevation
- Proposed monitoring well

results in blue shade indicates detectable concentrations
results in yellow shade indicates exceedance of unrestricted regulatory criteria
ND = not detected
all results in µg/L

Base map provided by Langan Engineering - Drawing VT101 dated 5/12/12. All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 8: VOCs in Groundwater

7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054.50

Scale: 20'

September 2014 | Appendix A

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LEGEND:

- Subject property border
- Monitoring well location
- Sample location
- Test pit location
- Hydraulic lift
- Φ_R Refusal location
- Petroleum Contaminated Soil in saturated zone
- Field evidence of soils grossly contaminated with Petroleum Hydrocarbons
- Isogradients for groundwater elevation
- Proposed monitoring well
- Cross section line

Base map provided by Langan Engineering - Drawing VT101 dated 5/12/12. All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 9a: Cross Section Map

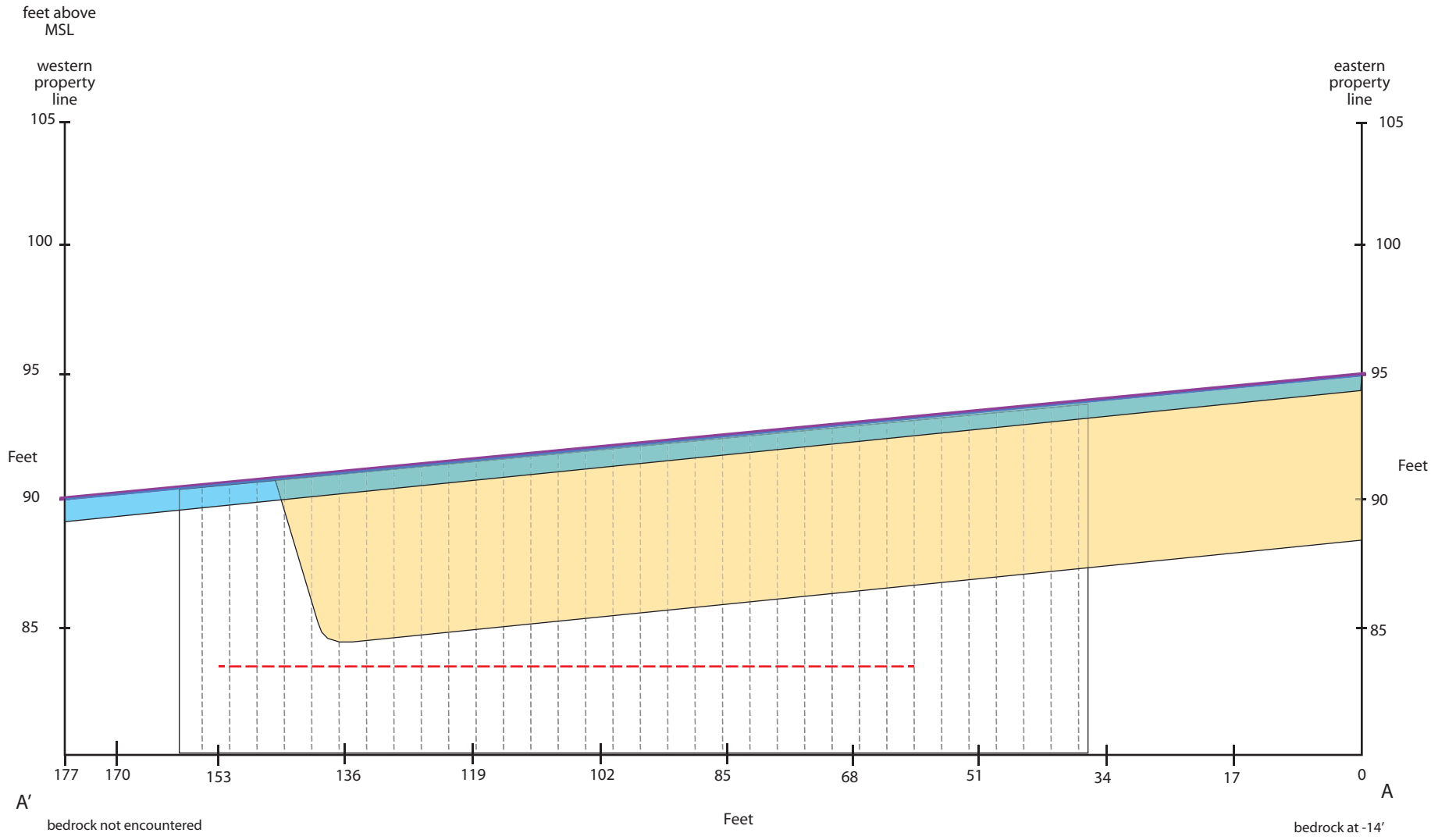
7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054.50

Scale: 20'

November 2014 | Appendix A

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 9b: Cross Section A

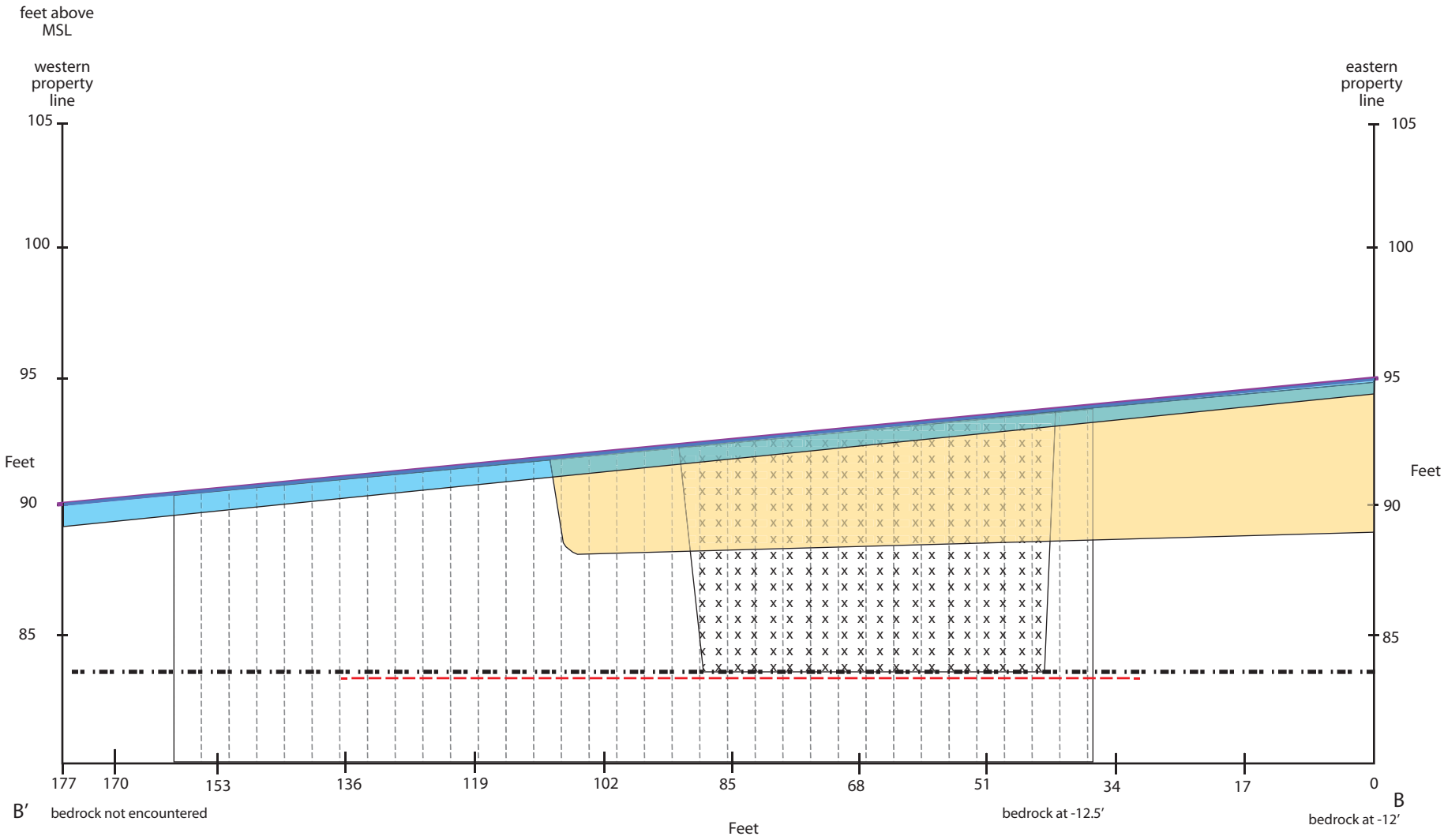
7-17 Ludlow Street
City of Yonkers
Westchester County, New York

Legend:

- urban fill
- average of 2′ of fill to be reviewed across entire site
- petroleum impacted soils at groundwater interface
- building footprint from which approximately 1,500 cy of material will be removed between depths of 4′ and 13′ bsg. This material has been identified as unsuitable for engineering purposes.

ESI File: WY07054.50
November 2014
Scale as shown
Appendix A

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 9c: Cross Section B

7-17 Ludlow Street
City of Yonkers
Westchester County, New York

Legend:

- approximate groundwater interface
- petroleum impacted soils at groundwater interface
- urban fill
- average of 2′ of fill to be reviewed across entire site
- petroleum contaminated soil to be excavated and removed
- building footprint from which approximately 1,500 cy of material will be removed between depths of 4′ and 13′ bsg. This material has been identified as unsuitable for engineering purposes.

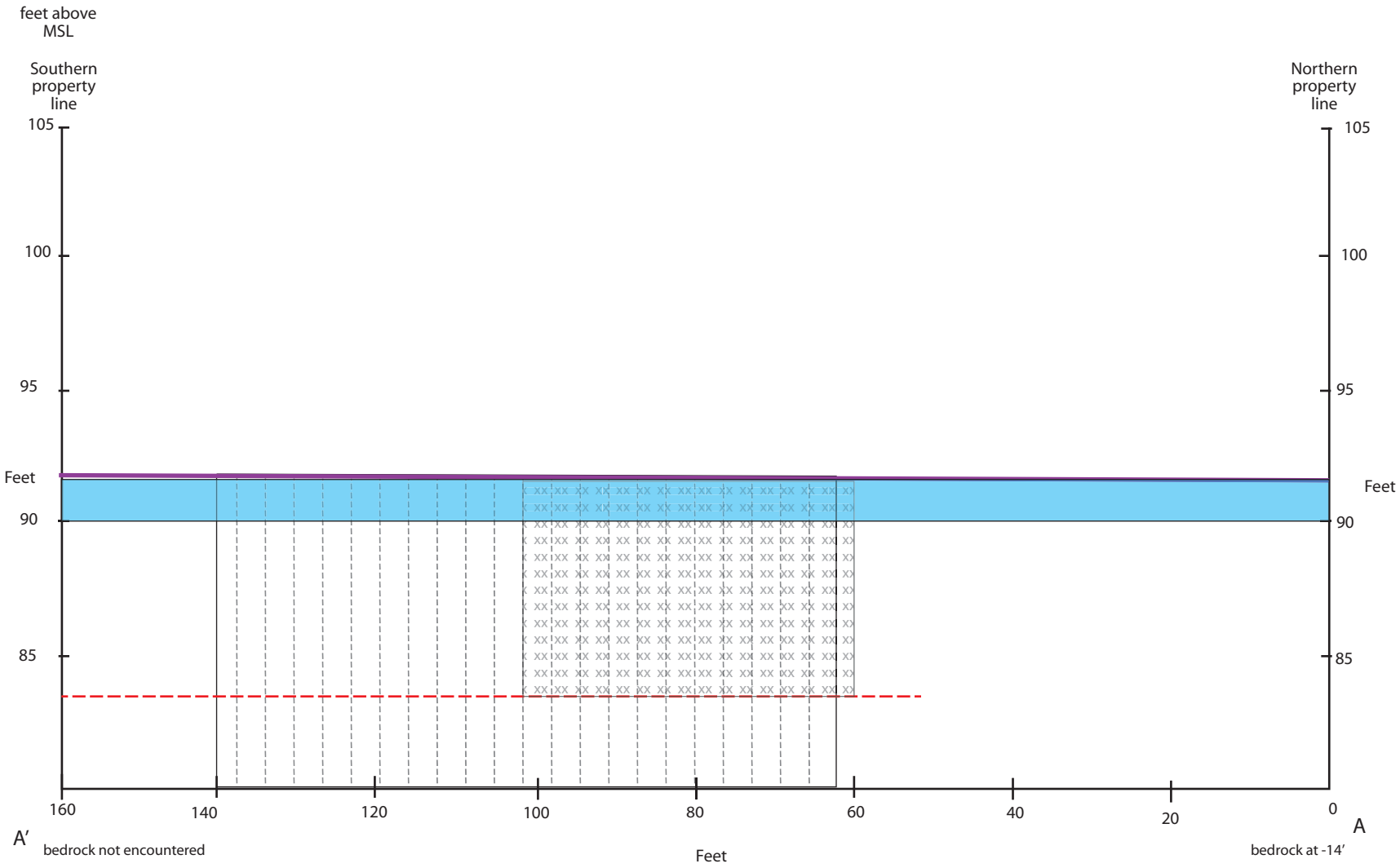
ESI File: WY07054.50

November 2014

Scale as shown

Appendix A

Ecosystems Strategies, Inc.



All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 9d: Cross Section C

7-17 Ludlow Street
City of Yonkers
Westchester County, New York

Legend:

- contaminated soil to be excavated and removed
- average of 2′ of fill to be reviewed across entire site
- petroleum impacted soils at groundwater interface
- building footprint from which approximately 1,500 cy of material will be removed between depths of 4′ and 13′ bsg. This material has been identified as unsuitable for engineering purposes.

ESI File: WY07054.50
January 2015
Scale as shown
Appendix A

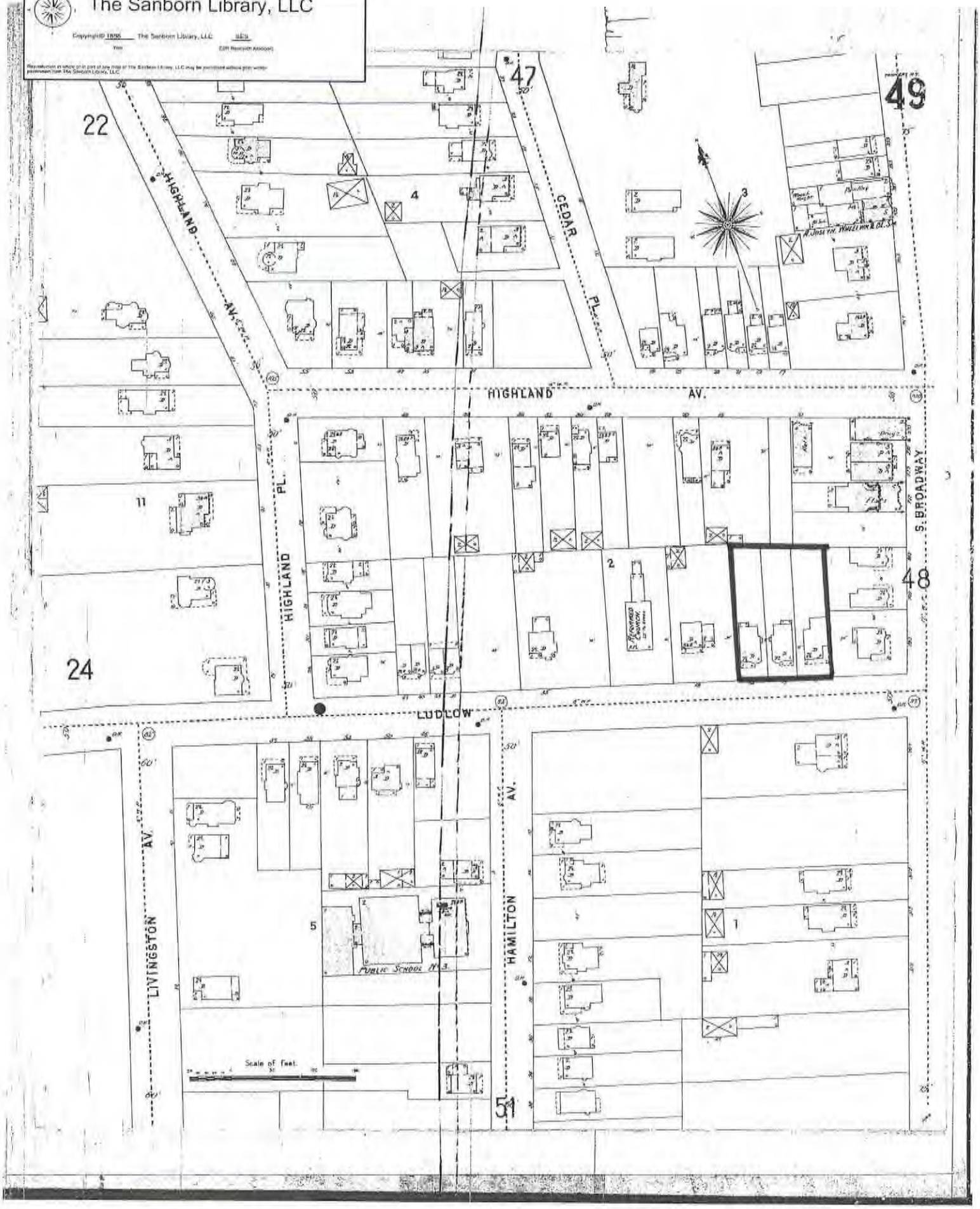
APPENDIX B

Sanborn Fire Insurance Maps

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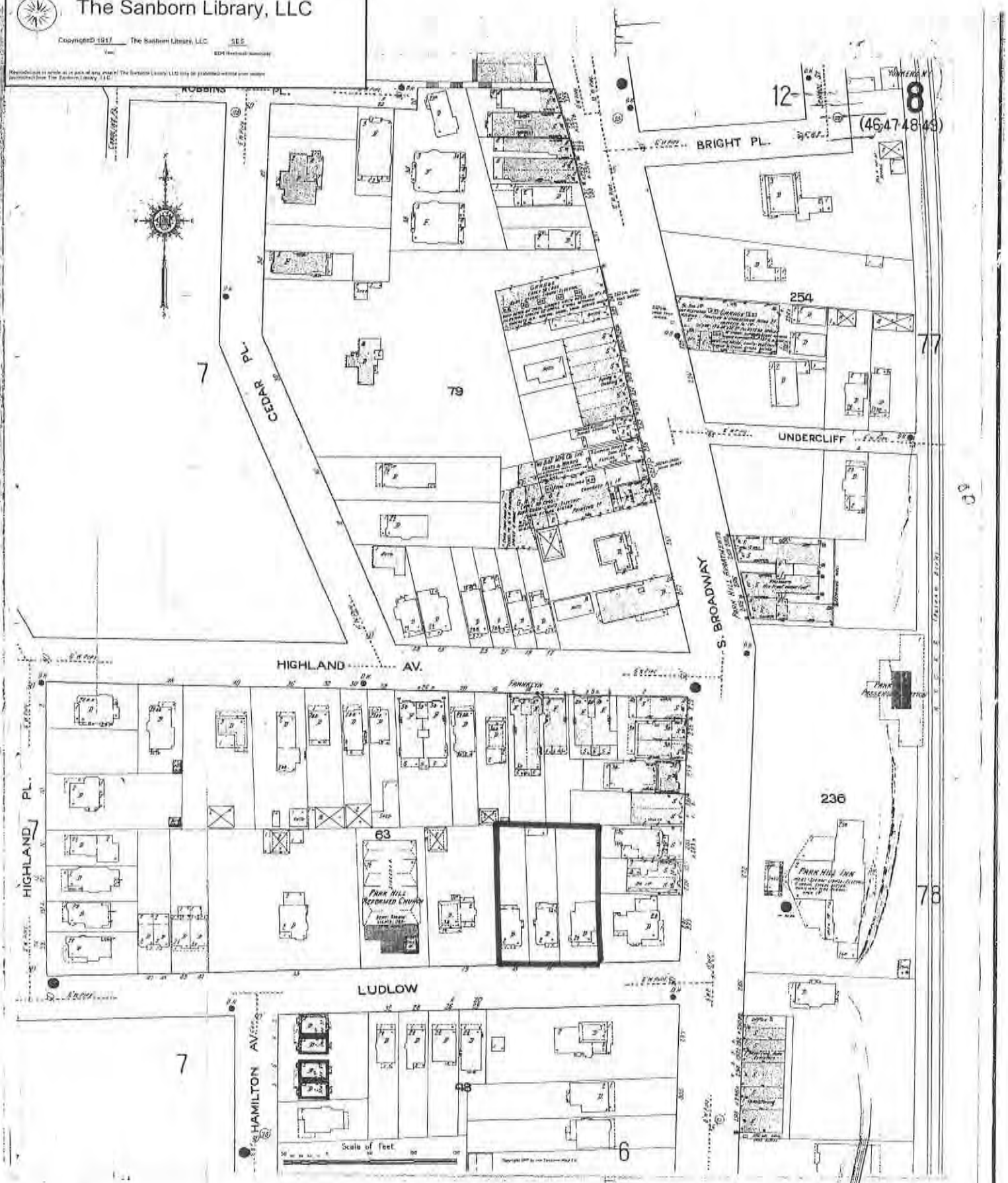
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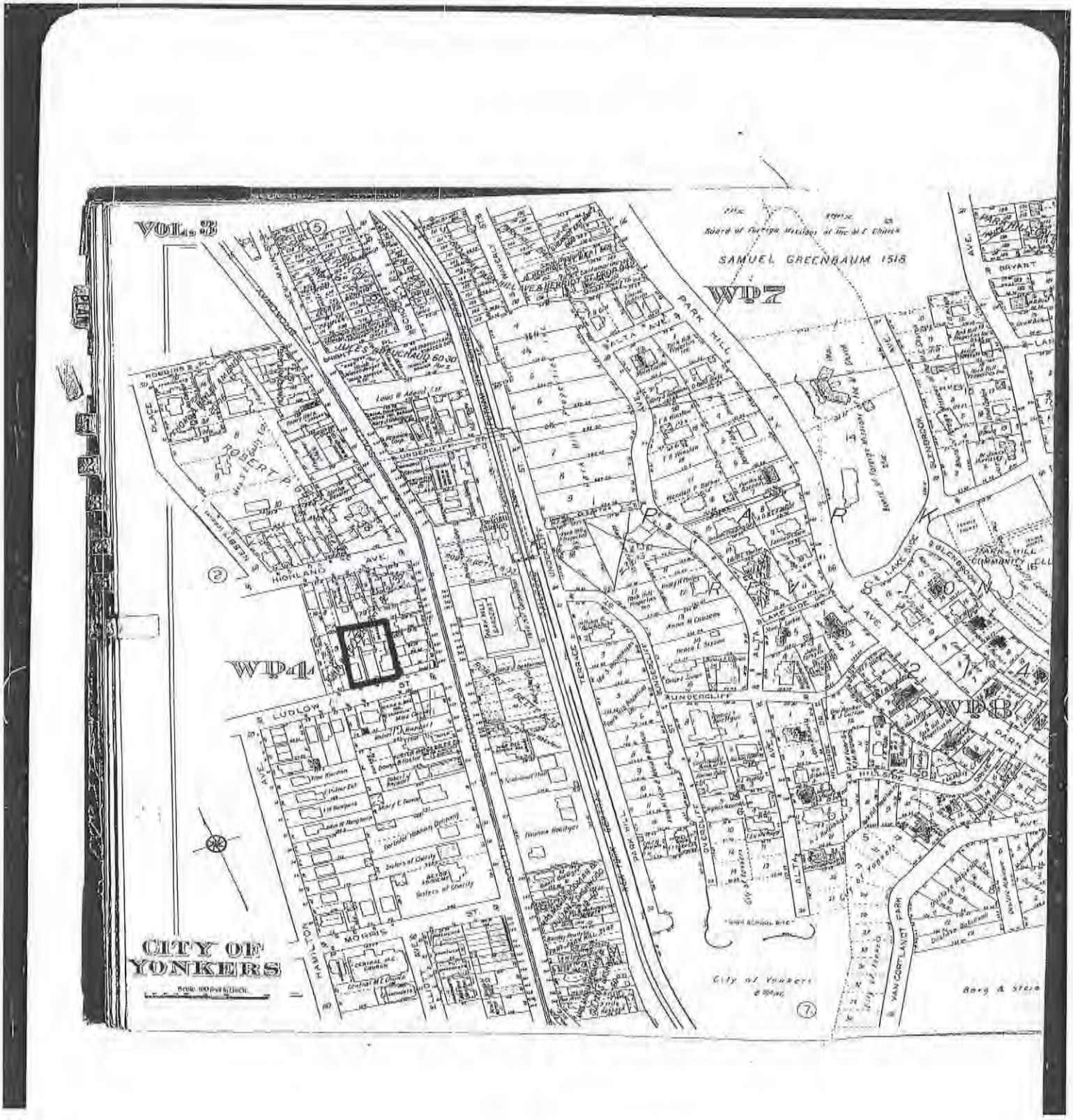
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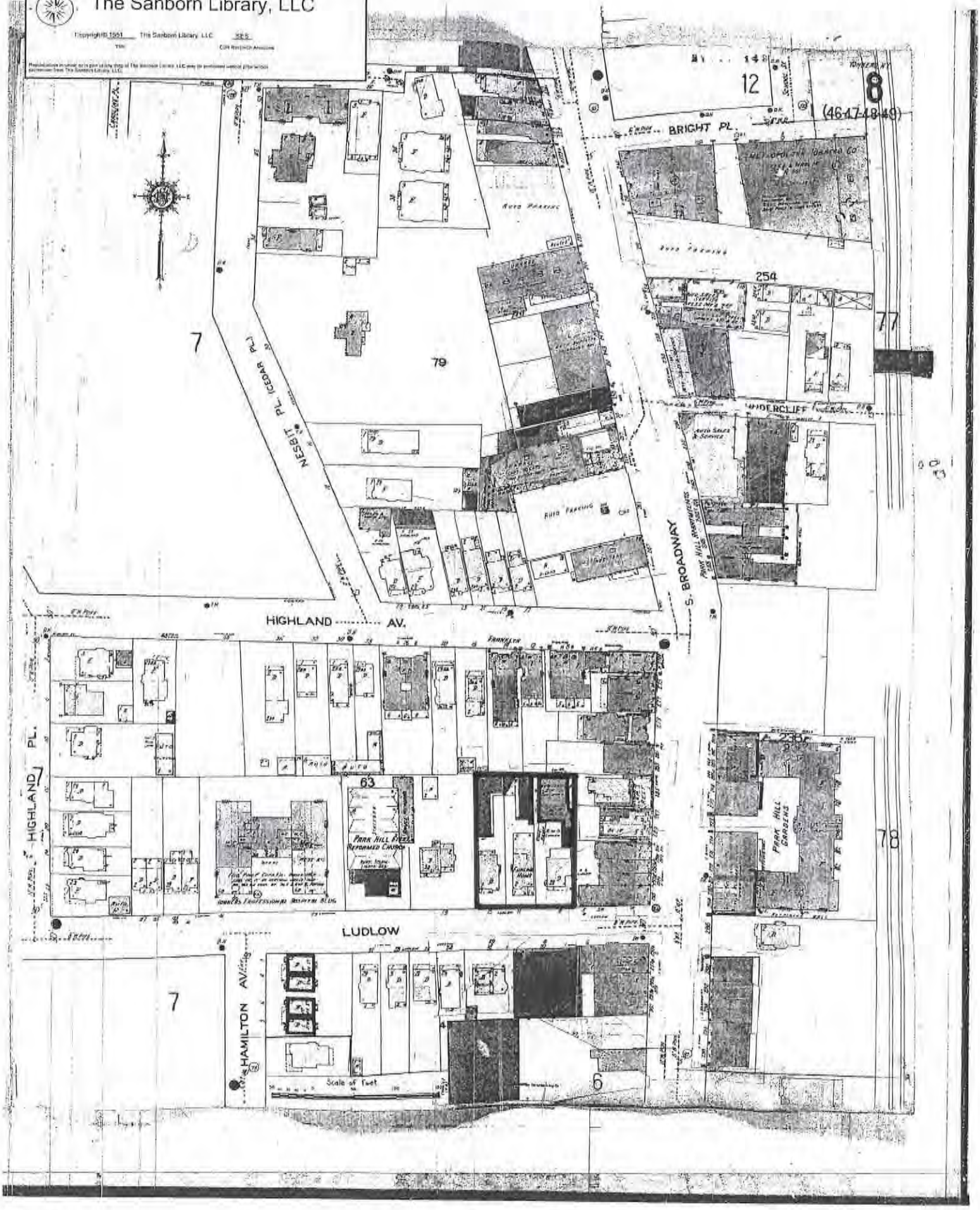
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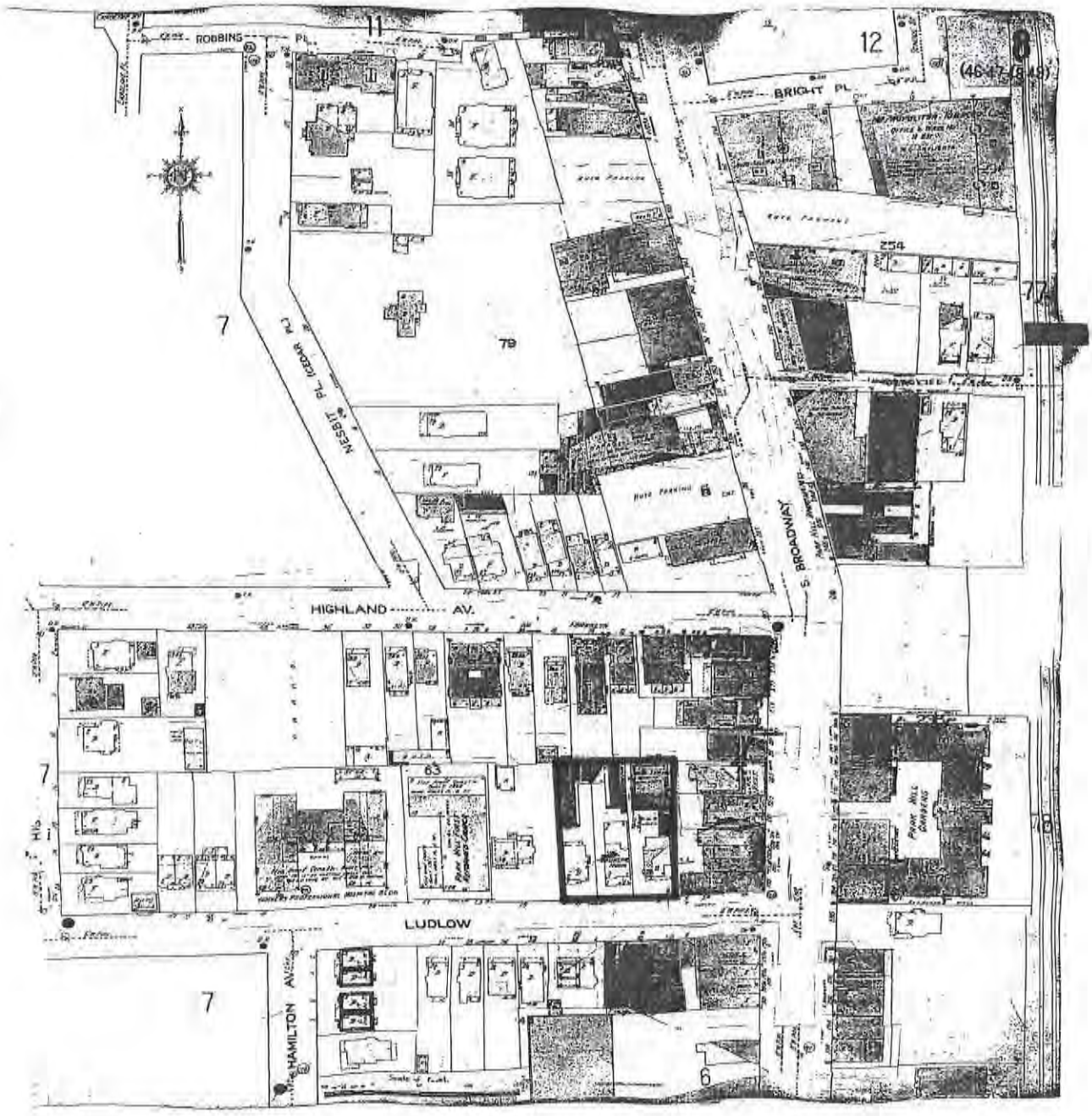
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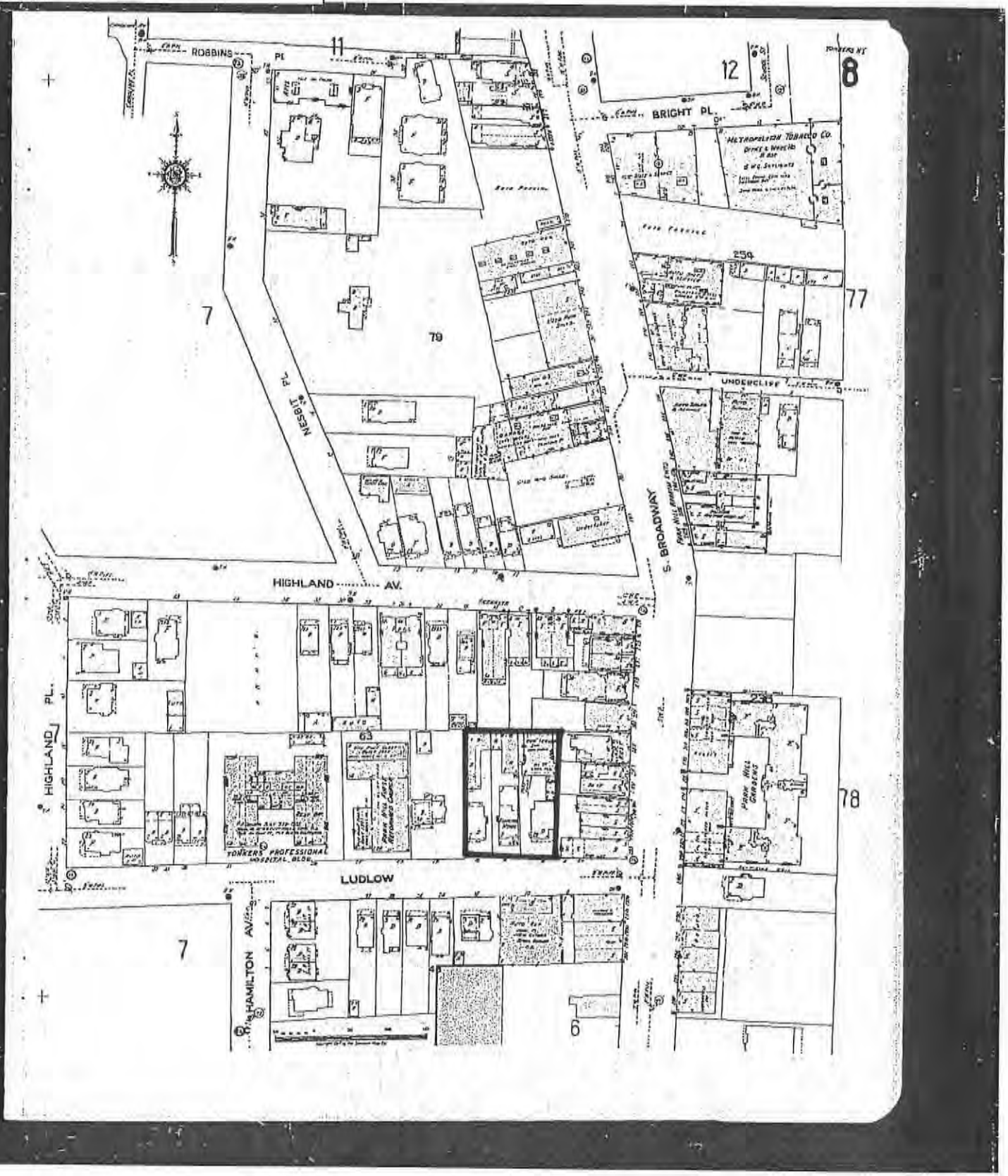
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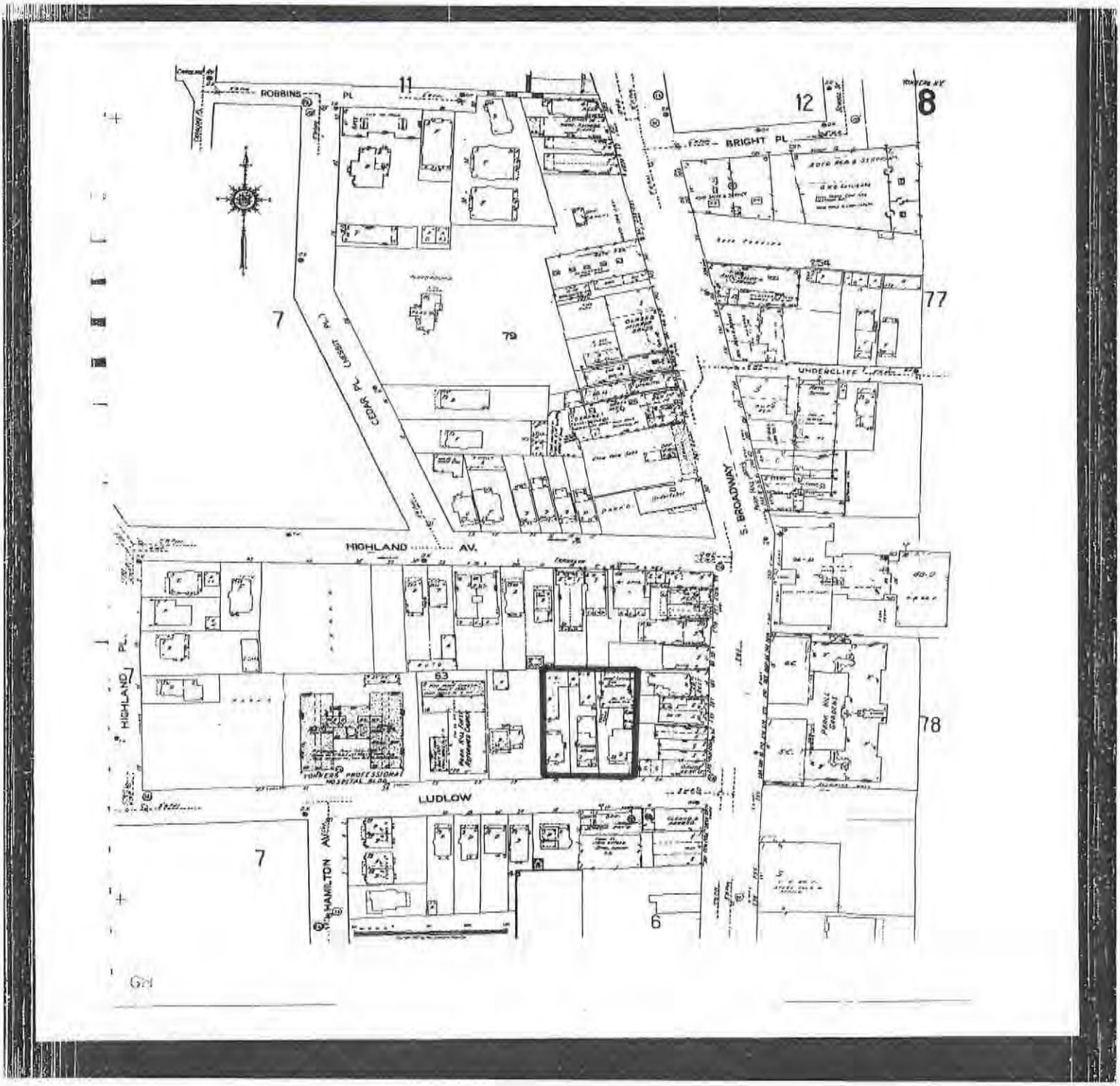
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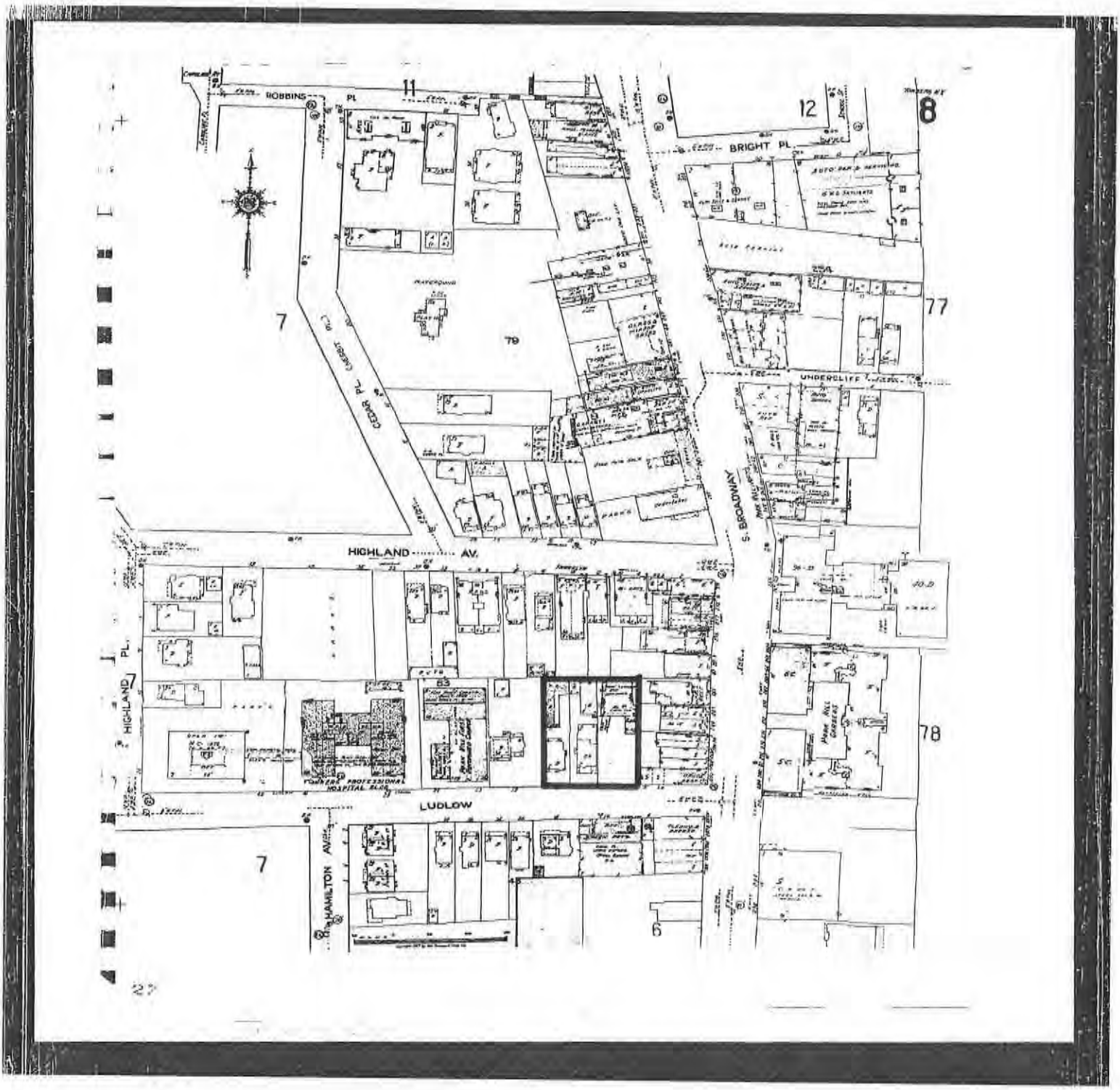
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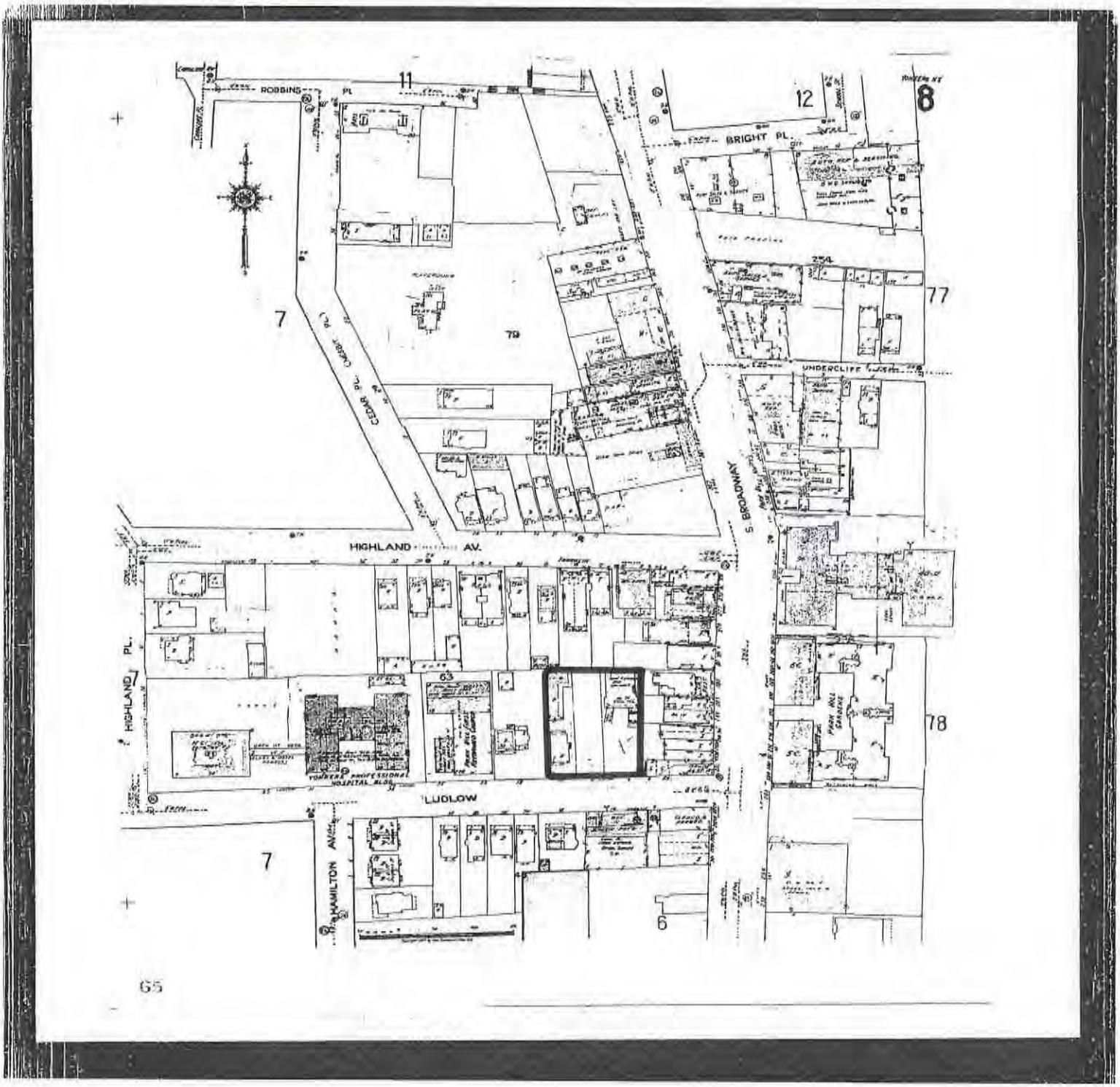
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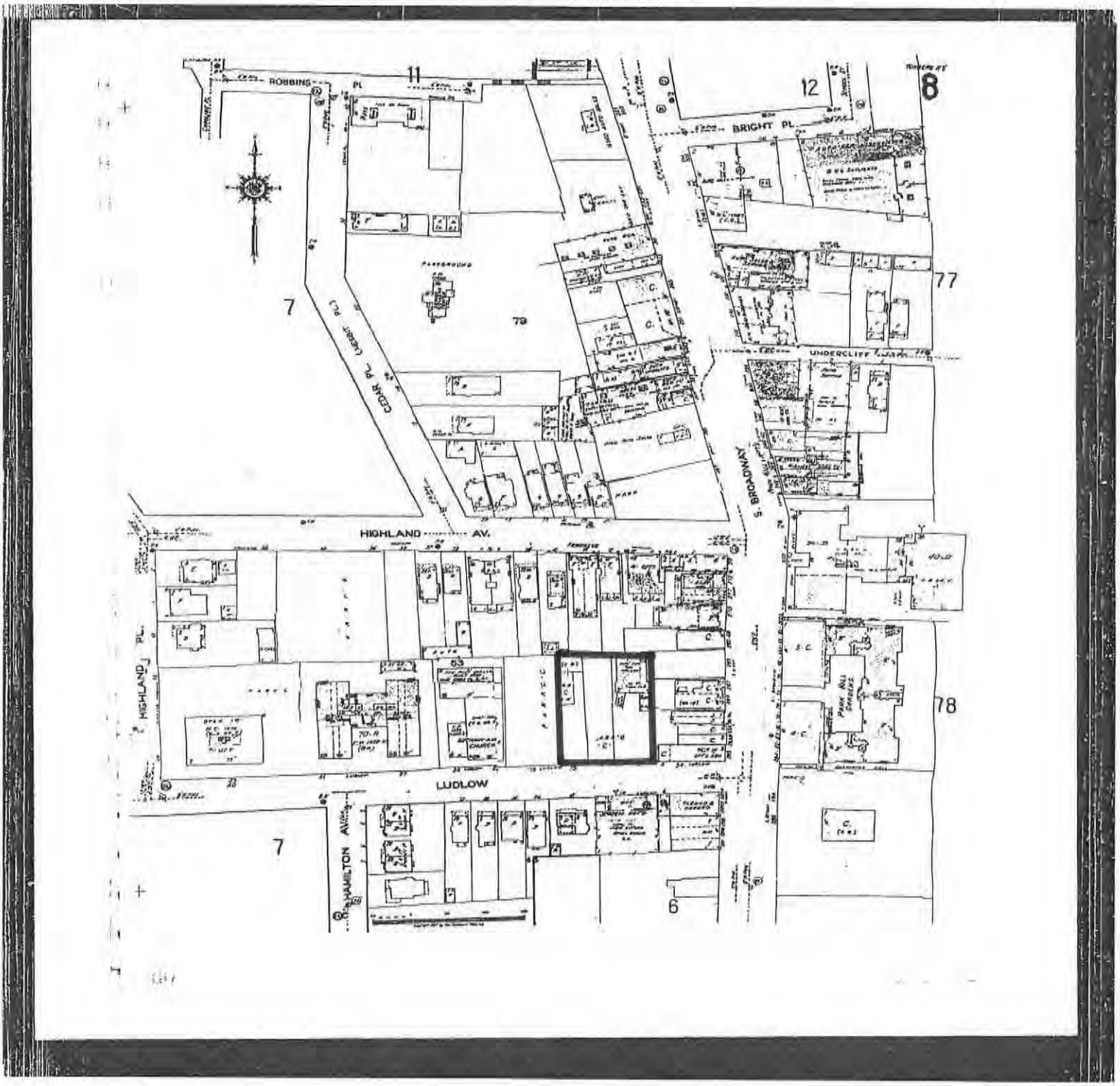
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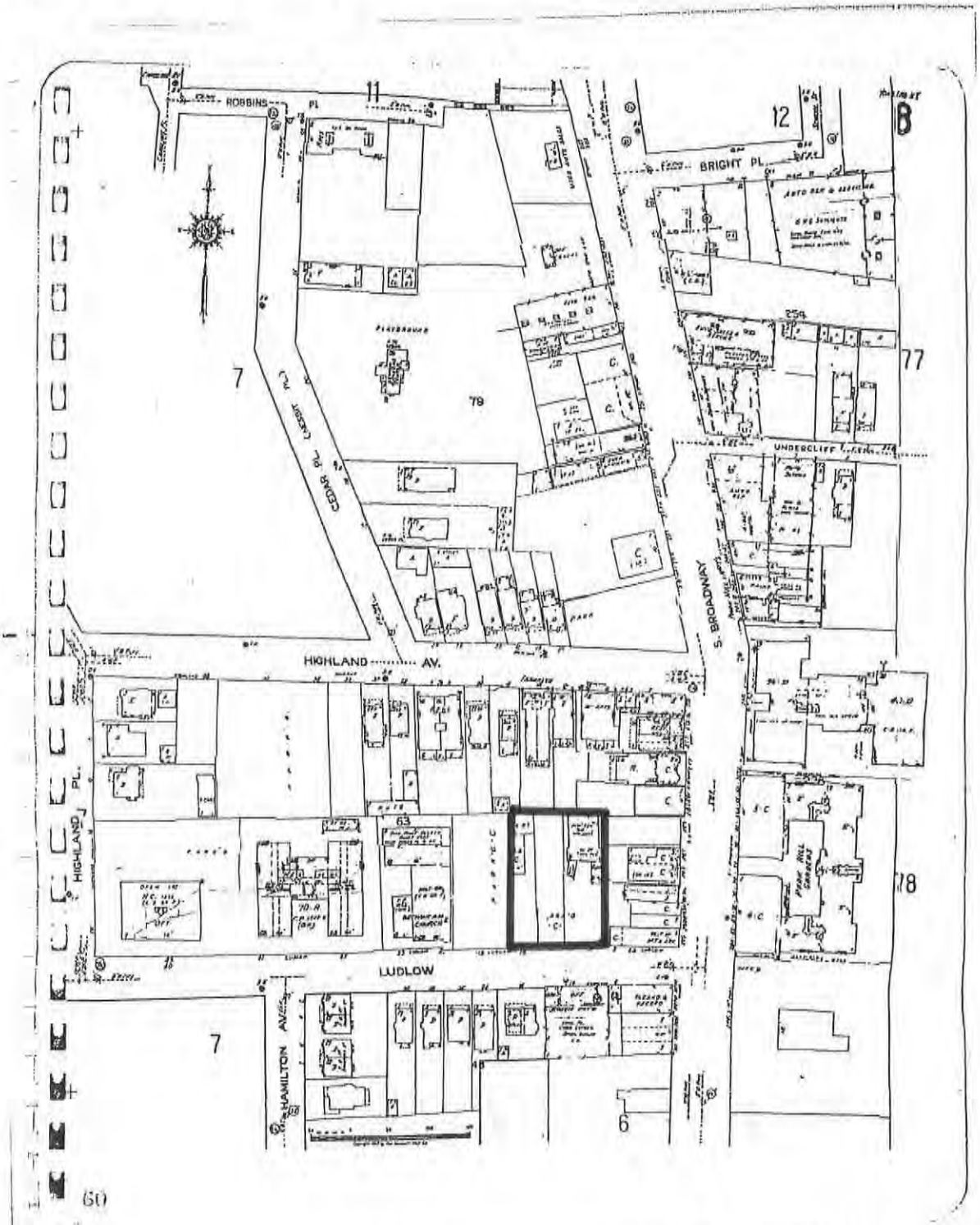
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APPENDIX C

Data Summary Tables

Table 2: Field Observations (Page 1 of 4)

Coring ID	Location	Depth of Core	Soil Characteristics	Groundwater Encountered	PID Reading	Field Observations
B-1	In location of suspected former UST, central portion of property, 45' north of southern property line.	0-4' 4'-8' 8'-12' Refusal at 12.5'	Coarse gray sand and rock fragments to 8'. Light brown sand	No No 9'	0.0 480 984	No evidence of contamination. Obvious petroleum odor throughout. Obvious sheen and petroleum odor throughout.
B-2	15' east of B-1.	0-4' 4'-8' 8'-12'	Coarse gray sand and rock fragments to 4'. Fine yellowish brown sand to 12'	No No 9'	0.0 34 1,203	No evidence of contamination. Obvious petroleum odor. Obvious sheen and petroleum odor.
B-3	25' southeast of B-2.	0-4' 4'-8' 8'-12'	Fill with brick, asphalt, rock fragments and light brown sand to 9', then light brown sand to tip.	No No 9.5	0.0 0.0 1,900 at 9.5' and 180 at 12'	No evidence of contamination. No evidence of contamination. Obvious sheen and petroleum odor.
B-4	3' west of eastern property line, 17' east of B-3.	0-4' 4'-6.3' Refusal	Fine light brown sand with rock fragments at tip.	No	0.0	No evidence of contamination.
B-5	10' north of B-4.	0-1.4' Refusal	Fine light brown sand with rock fragments at tip.	No	0.0	No evidence of contamination.
B-6	15' south of B-4.	0-4' 4-7' Refusal	Fine light brown sand with rock fragments at tip.	No No	0.0 0.0	No evidence of contamination. No evidence of contamination.
B-7	65' north of southern property line and 10' west of eastern property line.	0-4' 4'-8' 8'-12'	Fine light brown sand throughout.	No No 10'	0.0 0.0 0.0	No evidence of contamination. No evidence of contamination. No evidence of contamination.
B-8	Immediately southwest of remaining fuel pump.	0-4' 4'-8' 8'-12' Refusal at 12.5'	Fill mixed with fine light brown sand throughout	No No 10'	0.0 900 1971	No evidence of contamination. Petroleum odor and staining throughout. Petroleum odor and staining throughout.
B-9	26' west of west wall of northeastern on-site structure and 30' south of southern property line.	0-4' 4'-8' 8'-12'	Fill to 3', then medium brown sand.	No 7'	0.0 0.0 0.0	No evidence of contamination. No evidence of contamination. No evidence of contamination.

Table 2: Field Observations (Page 2 of 4)

Coring ID	Location	Depth of Core	Soil Characteristics	Groundwater Encountered	PID Reading	Field Observations
B-10	20' southwest of B-10 and 5' east of eastern wall of one-store structure.	0-4' 4'-8' 8'-12'	Fill to 3', then medium brown sand.	No 7' 	0.0 0.0 0.0	No evidence of contamination. No evidence of contamination. No evidence of contamination.
B-11	20' south of B-10	0-4' 4'-8' Refusal	Coal fragments and fill to 2', then fine green/gray sand.	No 7'	40 2213	Slight petroleum odor and staining. Strong petroleum odor and staining throughout.
B-12	28' south of south wall of one-story structure and 30' west of B-1	0-4' 4'-7' Refusal	Fill including wood fragments, brick asphalt and concrete.	No No	0.0 0.0	No evidence of contamination. Possible slight petroleum odor.
B-13	45' west of B-12 and 26' east of western property line.	0-4' 4'-8' 8'-12'	Rock powder and then very fine brown silty clay to 4' Course brown dense sand to 12'	No No 10'	0.0 0.0 1784	No evidence of contamination. No evidence of contamination. Strong petroleum odor and staining at 10'.
B-14	5' east of western property line and 30' north of southern property line.	0-4' 4'-8' 8'-12'	Coarse sandy silt throughout.	No No 10'	0.0 0.0 0.0	No evidence of contamination. No evidence of contamination. No evidence of contamination.
B-15	15' north of southern property line and 93' west of eastern property line.	0-4' 4'-8' 8'-12'	Fill with bricks, wood chips, stone fragment to 10', then medium brown sand.	No No 10'	0.0 0.0 560	No evidence of contamination. No evidence of contamination. Petroleum odor and staining at 10'.
B-16	51' west of eastern property line and 13' north of southern property line.	0-4' 4'-8' 8'-12'	Brown silty sand with rock fragments throughout.	No 7.5'	0.0 0.0 0.0	No evidence of contamination. No evidence of contamination. No evidence of contamination.
B-17	76' west of eastern property line and 3' north of southern property line.	0-4' 4'-8'	Fill to one foot, then light brown silty sand.	No 7'	0.0 1428	No evidence of contamination. Strong petroleum odor and staining at 7'.
2B-1	Western on-site structure formerly used for automotive repair. In vicinity of hydraulic lift. 8' west of east wall and 20' south of north wall.	0-8'	Concrete breech. Medium brownish yellow, moist, compact, coarse sands.	No	0.0	No evidence of contamination.
2B-2	Western on-site structure formerly used for automotive repair. 6' east of west wall and 12' south of north wall	0-8'	Concrete breech. Medium brownish yellow, moist, compact, coarse sands.	No	0.0	No evidence of contamination.

Table 2: Field Observations (Page 3 of 4)

Coring ID	Location	Depth of Core	Soil Characteristics	Groundwater Encountered	PID Reading	Field Observations
2B-3	In vacant two-story structure at north east corner of property. 4' east of west wall and 3' south of north wall.	0-8'	Medium brownish yellow, moist, compact, coarse sands.	No	0.0	No evidence of contamination.
2B-4	In vacant two-story structure at north east corner of property. 14' north of south wall and 12' west of east wall.	0-8'	Medium brownish yellow, moist, compact, coarse sands. 50% recovery.	No	0.0	No evidence of contamination.
2B-5	In vacant two-story structure at north east corner of property. 12' east of west wall and 14' north of south wall.	0-8'	Medium brownish yellow, moist, compact, coarse sands. 50% recovery.	No	0.0	No evidence of contamination.
3HB-1	Western on-site structure formerly used for automotive repair. In vicinity of hydraulic lift. 8' west of east wall and 20' south of north wall.	0-8'	Medium brownish yellow, moist, compact, coarse sands.	No	0.0	No evidence of contamination.
3HB-2	Western on-site structure formerly used for automotive repair. In vicinity of hydraulic lift. 8' west of east wall and 20' south of north wall.	0-8'	Medium brownish yellow, moist, compact, coarse sands.	No	0.0	No evidence of contamination.
3HB-3	Western on-site structure formerly used for automotive repair. In vicinity of hydraulic lift. 8' west of east wall and 20' south of north wall.	0-8'	Medium brownish yellow, moist, compact, coarse sands.	No	0.0	No evidence of contamination.
3B-1	Southeast corner of property, 6.5' west of MW-A	15'	Brown silty sand with rock fragments.	8.5	0.0 throughout	No evidence of contamination
3B-2	Central portion of property, southwest of former UST grave. 78' west of eastern property line and 41' north of southern property line.	20'	Coarse gray sand above medium brown sandy soil becoming lighter and silty with depth.	8.5	0.0 20 at 2' 120 at 8' 7 at 12'	Slight petroleum odor at surface (beneath asphalt breach) and continuous throughout until groundwater interface where odor became stronger. Odor diminished with depth beneath groundwater interface.

Table 2: Field Observations (Page 4 of 4)

3B-3	Central portion of property in vicinity of former UST grave. 55' west of eastern property line and 73' north of southern property line.	20'	Fill mixed with light brown sand and pea gravel	8.5	0.0 320 at 8.5' 98 at 12'	No evidence of contamination until 3', then odor and staining throughout diminishing with depth after 10'
3B-4	Southwest corner of property. 34' east of western property line and 15' north of southern property line.	15' (R)	Medium brown sandy soil becoming fine and silty with depth	8.5	0.0 16 at 8.5' 0 at 15'	Slight petroleum odor and staining at groundwater interface. Otherwise no evidence of contamination.
3MW-1	Northeastern portion of property, upgradient of former UST grave. 57' west of eastern property line and 52' south of northern property	20'	Medium brown sandy soil with traces of fill becoming fine and silty with depth	9	0.0 throughout	No evidence of contamination.
3MW-2	Off-site, 4' south of southern property line and 50' east of southwestern corner of property.	20'	Medium brown sandy soil becoming fine and silty with depth, dark gray clay from 5' down.	9	0.0 71 at 9' 0.0 at 15'	No evidence of contamination.

Table 3A: TCL VOCs in Test Pits
NYSDCE Site ID: C360079

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-1 0-2"**		**TP-1 8.5'**		**TP-2 0-2"**	
U= Not Detected at or above indicated value		Sample Date	6/10/2014		6/10/2014		6/10/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	0.68	100	0.009	*U*	0.0085	*U*	0.0065	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
1,1,2-Trichloroethane	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
1,1-Dichloroethane	0.27	26	0.009	*U*	0.0085	*U*	0.0065	*U*
1,1-Dichloroethylene	0.33	100	0.009	*U*	0.0085	*U*	0.0065	*U*
1,2,4-Trichlorobenzene	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
1,2,4-Trimethylbenzene	3.6	52	0.009	*U*	0.0085	*U*	0.0065	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
1,2-Dibromoethane	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
1,2-Dichloroethane	0.2	31	0.009	*U*	0.0085	*U*	0.0065	*U*
1,2-Dichloropropane	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
1,3,5-Trimethylbenzene	8.4	52	0.009	*U*	0.0085	*U*	0.0065	*U*
2-Butanone	0.12	100	0.009	*U*	0.0085	*U*	0.0065	*U*
2-Hexanone	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
4-Methyl-2-pentanone	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
Acetone	0.05	100	0.009	*R*	0.024	*R*	0.038	*R*
Benzene	0.06	48	0.009	*U*	0.0085	*U*	0.0065	*U*
Bromochloromethane	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
Bromoform	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
Bromomethane	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
Carbon disulfide	NA	100	0.009	*U*	0.0085	*U*	0.0065	*U*
Carbon tetrachloride	0.76	24	0.009	*U*	0.0085	*U*	0.0065	*U*
Chlorobenzene	1.1	100	0.009	*U*	0.0085	*U*	0.0065	*U*
Chloroethane	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
Chloroform	0.37	49	0.009	*U*	0.0085	*U*	0.0065	*U*
Chloromethane	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
cis-1,2-Dichloroethylene	0.25	100	0.009	*U*	0.0085	*U*	0.0065	*U*
cis-1,3-Dichloropropylene	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
Dibromochloromethane	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
Dichlorodifluoromethane	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
Ethyl Benzene	1	41	0.009	*U*	0.0085	*U*	0.0065	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.009	*U*	0.0085	*U*	0.0065	*U*
Methylene chloride	0.05	500	0.012	*J*	0.0093	*J*	0.024	*J*
Naphthalene	12	12	0.009	*U*	0.0085	*U*	0.0065	*U*
n-Butylbenzene	12	100	0.009	*U*	0.0085	*U*	0.0065	*U*
n-Propylbenzene	3.9	100	0.009	*U*	0.0085	*U*	0.0065	*U*
o-Xylene	0.26	100	0.009	*U*	0.0085	*U*	0.0065	*U*
p- & m- Xylenes	0.26	100	0.009	*U*	0.0085	*U*	0.0065	*U*
sec-Butylbenzene	11	100	0.009	*U*	0.0085	*U*	0.0065	*U*
Styrene	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
tert-Butylbenzene	5.9	100	0.009	*U*	0.0085	*U*	0.0065	*U*
Tetrachloroethylene	1.3	19	0.009	*U*	0.0085	*U*	0.0065	*U*
Toluene	0.7	100	0.009	*U*	0.0085	*U*	0.0065	*U*
trans-1,2-Dichloroethylene	0.19	100	0.009	*U*	0.0085	*U*	0.0065	*U*
trans-1,3-Dichloropropylene	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
Trichloroethylene	0.47	21	0.009	*U*	0.0085	*U*	0.0065	*U*
Trichlorofluoromethane	NA	NA	0.009	*U*	0.0085	*U*	0.0065	*U*
Vinyl chloride	NA	0.9	0.009	*U*	0.0085	*U*	0.0065	*U*
Xylenes, Total	0.26	100	0.009	*U*	0.0085	*U*	0.0065	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 3A: TCL VOCs in Test Pits
NYSDCE Site ID: C360079

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-2 5'**		**TP-3 0-2"**		**TP-3 8.5'**	
U= Not Detected at or above indicated value		Sample Date	6/10/2014		6/10/2014		6/10/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	0.68	100	0.0053	*U*	0.008	*U*	0.0042	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
1,1,2-Trichloroethane	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
1,1-Dichloroethane	0.27	26	0.0053	*U*	0.008	*U*	0.0042	*U*
1,1-Dichloroethylene	0.33	100	0.0053	*U*	0.008	*U*	0.0042	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0053	*U*	0.008	*U*	0.0042	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
1,2-Dibromoethane	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
1,2-Dichloroethane	0.2	31	0.0053	*U*	0.008	*U*	0.0042	*U*
1,2-Dichloropropane	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0053	*U*	0.008	*U*	0.0042	*U*
2-Butanone	0.12	100	0.0053	*U*	0.008	*U*	0.0042	*U*
2-Hexanone	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
4-Methyl-2-pentanone	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
Acetone	0.05	100	0.025	*R*	0.039	*R*	0.03	*R*
Benzene	0.06	48	0.0053	*U*	0.008	*U*	0.0042	*U*
Bromochloromethane	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
Bromoform	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
Bromomethane	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
Carbon disulfide	NA	100	0.0053	*U*	0.008	*U*	0.0042	*U*
Carbon tetrachloride	0.76	24	0.0053	*U*	0.008	*U*	0.0042	*U*
Chlorobenzene	1.1	100	0.0053	*U*	0.008	*U*	0.0042	*U*
Chloroethane	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
Chloroform	0.37	49	0.0053	*U*	0.008	*U*	0.0042	*U*
Chloromethane	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
cis-1,2-Dichloroethylene	0.25	100	0.0053	*U*	0.008	*U*	0.0042	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
Dibromochloromethane	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
Dichlorodifluoromethane	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
Ethyl Benzene	1	41	0.0053	*U*	0.008	*U*	0.0045	*J*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0053	*U*	0.008	*U*	0.0042	*U*
Methylene chloride	0.05	500	0.012	*J*	0.028	*J*	0.0094	*J*
Naphthalene	12	12	0.0053	*U*	0.008	*U*	0.0042	*U*
n-Butylbenzene	12	100	0.0053	*U*	0.008	*U*	0.0042	*U*
n-Propylbenzene	3.9	100	0.0053	*U*	0.008	*U*	0.0042	*U*
o-Xylene	0.26	100	0.0053	*U*	0.008	*U*	0.0042	*U*
p- & m- Xylenes	0.26	100	0.0053	*U*	0.008	*U*	0.0042	*U*
sec-Butylbenzene	11	100	0.0053	*U*	0.008	*U*	0.0042	*U*
Styrene	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
tert-Butylbenzene	5.9	100	0.0053	*U*	0.008	*U*	0.0042	*U*
Tetrachloroethylene	1.3	19	0.0053	*U*	0.008	*U*	0.0042	*U*
Toluene	0.7	100	0.0053	*U*	0.008	*U*	0.0042	*U*
trans-1,2-Dichloroethylene	0.19	100	0.0053	*U*	0.008	*U*	0.0042	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
Trichloroethylene	0.47	21	0.0053	*U*	0.008	*U*	0.0042	*U*
Trichlorofluoromethane	NA	NA	0.0053	*U*	0.008	*U*	0.0042	*U*
Vinyl chloride	NA	0.9	0.0053	*U*	0.008	*U*	0.0042	*U*
Xylenes, Total	0.26	100	0.0053	*U*	0.008	*U*	0.0042	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 3A: TCL VOCs in Test Pits
NYSDCE Site ID: C360079

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-4 0-2"**		**TP-4 8.5'**		**TP-5 0-2"**	
U= Not Detected at or above indicated value		Sample Date	6/10/2014		6/10/2014		6/10/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	0.68	100	0.0089	*U*	0.0027	*U*	0.011	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
1,1,2-Trichloroethane	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
1,1-Dichloroethane	0.27	26	0.0089	*U*	0.0027	*U*	0.011	*U*
1,1-Dichloroethylene	0.33	100	0.0089	*U*	0.0027	*U*	0.011	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0089	*U*	0.0027	*U*	0.011	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
1,2-Dibromoethane	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
1,2-Dichloroethane	0.2	31	0.0089	*U*	0.0027	*U*	0.011	*U*
1,2-Dichloropropane	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0089	*U*	0.0027	*U*	0.011	*U*
2-Butanone	0.12	100	0.0089	*U*	0.0027	*U*	0.011	*U*
2-Hexanone	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
4-Methyl-2-pentanone	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
Acetone	0.05	100	0.059	*R*	0.021	*R*	0.011	*R*
Benzene	0.06	48	0.0089	*U*	0.0027	*U*	0.011	*U*
Bromochloromethane	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
Bromoform	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
Bromomethane	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
Carbon disulfide	NA	100	0.0089	*U*	0.0027	*U*	0.011	*U*
Carbon tetrachloride	0.76	24	0.0089	*U*	0.0027	*U*	0.011	*U*
Chlorobenzene	1.1	100	0.0089	*U*	0.0027	*U*	0.011	*U*
Chloroethane	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
Chloroform	0.37	49	0.0089	*U*	0.0027	*U*	0.011	*U*
Chloromethane	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
cis-1,2-Dichloroethylene	0.25	100	0.0089	*U*	0.0027	*U*	0.011	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
Dibromochloromethane	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
Dichlorodifluoromethane	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
Ethyl Benzene	1	41	0.0089	*U*	0.0027	*U*	0.011	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0089	*U*	0.0046	*J*	0.011	*U*
Methylene chloride	0.05	500	0.023	*J*	0.0063	*J*	0.022	*J*
Naphthalene	12	12	0.0089	*U*	0.0027	*U*	0.011	*U*
n-Butylbenzene	12	100	0.0089	*U*	0.0027	*U*	0.011	*U*
n-Propylbenzene	3.9	100	0.0089	*U*	0.0027	*U*	0.011	*U*
o-Xylene	0.26	100	0.0089	*U*	0.0027	*U*	0.011	*U*
p- & m- Xylenes	0.26	100	0.0089	*U*	0.0027	*U*	0.011	*U*
sec-Butylbenzene	11	100	0.0089	*U*	0.0027	*U*	0.011	*U*
Styrene	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
tert-Butylbenzene	5.9	100	0.0089	*U*	0.0027	*U*	0.011	*U*
Tetrachloroethylene	1.3	19	0.0089	*U*	0.0027	*U*	0.011	*U*
Toluene	0.7	100	0.0089	*U*	0.0027	*U*	0.011	*U*
trans-1,2-Dichloroethylene	0.19	100	0.0089	*U*	0.0027	*U*	0.011	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
Trichloroethylene	0.47	21	0.0089	*U*	0.0027	*U*	0.011	*U*
Trichlorofluoromethane	NA	NA	0.0089	*U*	0.0027	*U*	0.011	*U*
Vinyl chloride	NA	0.9	0.0089	*U*	0.0027	*U*	0.011	*U*
Xylenes, Total	0.26	100	0.0089	*U*	0.0027	*U*	0.011	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 3A: TCL VOCs in Test Pits
NYSDCE Site ID: C360079

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-5 5'**		**TP-6 0-2"**		**TP-6 4'**	
U= Not Detected at or above indicated value		Sample Date	6/10/2014		6/10/2014		6/10/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	0.68	100	0.0024	*U*	0.009	*U*	0.0077	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
1,1,2-Trichloroethane	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
1,1-Dichloroethane	0.27	26	0.0024	*U*	0.009	*U*	0.0077	*U*
1,1-Dichloroethylene	0.33	100	0.0024	*U*	0.009	*U*	0.0077	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0024	*U*	0.009	*U*	0.0077	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
1,2-Dibromoethane	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
1,2-Dichloroethane	0.2	31	0.0024	*U*	0.009	*U*	0.0077	*U*
1,2-Dichloropropane	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0024	*U*	0.009	*U*	0.0077	*U*
2-Butanone	0.12	100	0.017		0.009	*U*	0.0077	*U*
2-Hexanone	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
4-Methyl-2-pentanone	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
Acetone	0.05	100	0.12	*R*	0.047	*R*	0.0077	*R*
Benzene	0.06	48	0.0024	*U*	0.009	*U*	0.0077	*U*
Bromochloromethane	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
Bromoform	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
Bromomethane	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
Carbon disulfide	NA	100	0.0024	*U*	0.009	*U*	0.0077	*U*
Carbon tetrachloride	0.76	24	0.0024	*U*	0.009	*U*	0.0077	*U*
Chlorobenzene	1.1	100	0.0024	*U*	0.009	*U*	0.0077	*U*
Chloroethane	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
Chloroform	0.37	49	0.0024	*U*	0.009	*U*	0.0077	*U*
Chloromethane	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
cis-1,2-Dichloroethylene	0.25	100	0.0024	*U*	0.009	*U*	0.0077	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
Dibromochloromethane	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
Dichlorodifluoromethane	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
Ethyl Benzene	1	41	0.0024	*U*	0.009	*U*	0.0077	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0024	*U*	0.009	*U*	0.0077	*U*
Methylene chloride	0.05	500	0.0084	*J*	0.023	*J*	0.017	*J*
Naphthalene	12	12	0.0024	*U*	0.009	*U*	0.0077	*U*
n-Butylbenzene	12	100	0.0024	*U*	0.009	*U*	0.0077	*U*
n-Propylbenzene	3.9	100	0.0024	*U*	0.009	*U*	0.0077	*U*
o-Xylene	0.26	100	0.0024	*U*	0.009	*U*	0.0077	*U*
p- & m- Xylenes	0.26	100	0.0024	*U*	0.009	*U*	0.0077	*U*
sec-Butylbenzene	11	100	0.0024	*U*	0.009	*U*	0.0077	*U*
Styrene	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
tert-Butylbenzene	5.9	100	0.0024	*U*	0.009	*U*	0.0077	*U*
Tetrachloroethylene	1.3	19	0.0024	*U*	0.009	*U*	0.0077	*U*
Toluene	0.7	100	0.0024	*U*	0.009	*U*	0.0077	*U*
trans-1,2-Dichloroethylene	0.19	100	0.0024	*U*	0.009	*U*	0.0077	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
Trichloroethylene	0.47	21	0.0024	*U*	0.009	*U*	0.0077	*U*
Trichlorofluoromethane	NA	NA	0.0024	*U*	0.009	*U*	0.0077	*U*
Vinyl chloride	NA	0.9	0.0024	*U*	0.009	*U*	0.0077	*U*
Xylenes, Total	0.26	100	0.0024	*U*	0.009	*U*	0.0077	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 3A: TCL VOCs in Test Pits
NYSDCE Site ID: C360079

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-7 0-2"**		**TP-7 8'**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-02)		(2014-10-02)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	0.68	100	0.01	*U*	0.0059	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.01	*U*	0.0059	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.01	*U*	0.0059	*U*
1,1,2-Trichloroethane	NA	NA	0.01	*U*	0.0059	*U*
1,1-Dichloroethane	0.27	26	0.01	*U*	0.0059	*U*
1,1-Dichloroethylene	0.33	100	0.01	*U*	0.0059	*U*
1,2,4-Trichlorobenzene	NA	NA	0.01	*U*	0.0059	*U*
1,2,4-Trimethylbenzene	3.6	52	0.01	*U*	0.0059	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.01	*U*	0.0059	*U*
1,2-Dibromoethane	NA	NA	0.01	*U*	0.0059	*U*
1,2-Dichloroethane	0.2	31	0.01	*U*	0.0059	*U*
1,2-Dichloropropane	NA	NA	0.01	*U*	0.0059	*U*
1,3,5-Trimethylbenzene	8.4	52	0.01	*U*	0.0059	*U*
2-Butanone	0.12	100	0.01	*U*	0.0059	*U*
2-Hexanone	NA	NA	0.01	*U*	0.0059	*U*
4-Methyl-2-pentanone	NA	NA	0.01	*U*	0.0059	*U*
Acetone	0.05	100	0.01	*R*	0.0059	*R*
Benzene	0.06	48	0.01	*U*	0.0059	*U*
Bromochloromethane	NA	NA	0.01	*U*	0.0059	*U*
Bromoform	NA	NA	0.01	*U*	0.0059	*U*
Bromomethane	NA	NA	0.01	*U*	0.0059	*U*
Carbon disulfide	NA	100	0.01	*U*	0.0059	*U*
Carbon tetrachloride	0.76	24	0.01	*U*	0.0059	*U*
Chlorobenzene	1.1	100	0.01	*U*	0.0059	*U*
Chloroethane	NA	NA	0.01	*U*	0.0059	*U*
Chloroform	0.37	49	0.01	*U*	0.0059	*U*
Chloromethane	NA	NA	0.01	*U*	0.0059	*U*
cis-1,2-Dichloroethylene	0.25	100	0.01	*U*	0.0059	*U*
cis-1,3-Dichloropropylene	NA	NA	0.01	*U*	0.0059	*U*
Dibromochloromethane	NA	NA	0.01	*U*	0.0059	*U*
Dichlorodifluoromethane	NA	NA	0.01	*U*	0.0059	*U*
Ethyl Benzene	1	41	0.01	*U*	0.0059	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.01	*U*	0.0059	*U*
Methylene chloride	0.05	500	0.03	*J*	0.024	
Naphthalene	12	12	0.01	*U*	0.0059	*U*
n-Butylbenzene	12	100	0.01	*U*	0.0059	*U*
n-Propylbenzene	3.9	100	0.01	*U*	0.0059	*U*
o-Xylene	0.26	100	0.01	*U*	0.0059	*U*
p- & m- Xylenes	0.26	100	0.01	*U*	0.0059	*U*
sec-Butylbenzene	11	100	0.01	*U*	0.0059	*U*
Styrene	NA	NA	0.01	*U*	0.0059	*U*
tert-Butylbenzene	5.9	100	0.01	*U*	0.0059	*U*
Tetrachloroethylene	1.3	19	0.01	*U*	0.0059	*U*
Toluene	0.7	100	0.01	*U*	0.0059	*U*
trans-1,2-Dichloroethylene	0.19	100	0.01	*U*	0.0059	*U*
trans-1,3-Dichloropropylene	NA	NA	0.01	*U*	0.0059	*U*
Trichloroethylene	0.47	21	0.01	*U*	0.0059	*U*
Trichlorofluoromethane	NA	NA	0.01	*U*	0.0059	*U*
Vinyl chloride	NA	0.9	0.01	*U*	0.0059	*U*
Xylenes, Total	0.26	100	0.01	*U*	0.0059	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 3B: TCL VOCs in Borings
NYSDCE Site ID:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**3B-1 2''**		**3B-1 8.5'**		**3B-2 2''**	
U= Not Detected at or above indicated value		Sample Date	7/1/2014		7/1/2014		7/1/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	0.68	100	0.0085	*U*	0.0056	*U*	0.0032	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
1,1,2-Trichloroethane	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
1,1-Dichloroethane	0.27	26	0.0085	*U*	0.0056	*U*	0.0032	*U*
1,1-Dichloroethylene	0.33	100	0.0085	*U*	0.0056	*U*	0.0032	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0085	*U*	0.0056	*U*	0.011	
1,2-Dibromo-3-chloropropane	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
1,2-Dibromoethane	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
1,2-Dichloroethane	0.2	31	0.0085	*U*	0.0056	*U*	0.0032	*U*
1,2-Dichloropropane	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0085	*U*	0.0056	*U*	0.0064	
2-Butanone	0.12	100	0.0085	*U*	0.0056	*U*	0.035	
2-Hexanone	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
4-Methyl-2-pentanone	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
Acetone	0.05	100	0.024	*R*	0.042	*R*	0.14	*R*
Benzene	0.06	48	0.0085	*U*	0.0056	*U*	0.0074	
Bromochloromethane	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
Bromoform	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
Bromomethane	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
Carbon disulfide	NA	100	0.0085	*U*	0.0056	*U*	0.0032	*U*
Carbon tetrachloride	0.76	24	0.0085	*U*	0.0056	*U*	0.0032	*U*
Chlorobenzene	1.1	100	0.0085	*U*	0.0056	*U*	0.0032	*U*
Chloroethane	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
Chloroform	0.37	49	0.0085	*U*	0.0056	*U*	0.0032	*U*
Chloromethane	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
cis-1,2-Dichloroethylene	0.25	100	0.0085	*U*	0.0056	*U*	0.0032	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
Dibromochloromethane	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
Dichlorodifluoromethane	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
Ethyl Benzene	1	41	0.0085	*U*	0.0056	*U*	0.0048	*J*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0085	*U*	0.0056	*U*	0.0032	*U*
Methylene chloride	0.05	500	0.0085	*U*	0.0063	*J*	0.0032	*U*
Naphthalene	12	12	0.0085	*U*	0.0056	*U*	0.0032	*U*
n-Butylbenzene	12	100	0.0085	*U*	0.0056	*U*	0.0032	*U*
n-Propylbenzene	3.9	100	0.0085	*U*	0.0056	*U*	0.0042	*J*
o-Xylene	0.26	100	0.0085	*U*	0.0056	*U*	0.005	*J*
p- & m- Xylenes	0.26	100	0.0085	*U*	0.0056	*U*	0.03	
sec-Butylbenzene	11	100	0.0085	*U*	0.0056	*U*	0.0041	*J*
Styrene	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
tert-Butylbenzene	5.9	100	0.0085	*U*	0.0056	*U*	0.0032	*U*
Tetrachloroethylene	1.3	19	0.0085	*U*	0.0056	*U*	0.0032	*U*
Toluene	0.7	100	0.0085	*U*	0.0056	*U*	0.0059	*J*
trans-1,2-Dichloroethylene	0.19	100	0.0085	*U*	0.0056	*U*	0.0032	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
Trichloroethylene	0.47	21	0.0085	*U*	0.0056	*U*	0.0032	*U*
Trichlorofluoromethane	NA	NA	0.0085	*U*	0.0056	*U*	0.0032	*U*
Vinyl chloride	NA	0.9	0.0085	*U*	0.0056	*U*	0.0032	*U*
Xylenes, Total	0.26	100	0.0085	*U*	0.0056	*U*	0.035	

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted R= rejected

Table 3B: TCL VOCs in Borings
NYSDCE Site ID:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**3B-2 8.5'**		**3B-2 18''**		**3B-3 2''**	
U= Not Detected at or above indicated value		Sample Date	7/1/2014		7/1/2014		7/1/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	0.68	100	0.0037	*U*	0.003	*U*	0.0049	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
1,1,2-Trichloroethane	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
1,1-Dichloroethane	0.27	26	0.0037	*U*	0.003	*U*	0.0049	*U*
1,1-Dichloroethylene	0.33	100	0.0037	*U*	0.003	*U*	0.0049	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
1,2,4-Trimethylbenzene	3.6	52	0.1		0.013		0.0049	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
1,2-Dibromoethane	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
1,2-Dichloroethane	0.2	31	0.0037	*U*	0.003	*U*	0.0049	*U*
1,2-Dichloropropane	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
1,3,5-Trimethylbenzene	8.4	52	0.031		0.0035	*J*	0.0049	*U*
2-Butanone	0.12	100	0.0037	*U*	0.003	*U*	0.0049	*U*
2-Hexanone	NA	NA	0.019		0.003	*U*	0.0049	*U*
4-Methyl-2-pentanone	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
Acetone	0.05	100	0.048	*R*	0.014	*R*	0.028	*R*
Benzene	0.06	48	0.0037	*U*	0.0076		0.0049	*U*
Bromochloromethane	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
Bromoform	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
Bromomethane	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
Carbon disulfide	NA	100	0.0037	*U*	0.003	*U*	0.0049	*U*
Carbon tetrachloride	0.76	24	0.0037	*U*	0.003	*U*	0.0049	*U*
Chlorobenzene	1.1	100	0.0037	*U*	0.003	*U*	0.0049	*U*
Chloroethane	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
Chloroform	0.37	49	0.0037	*U*	0.003	*U*	0.0049	*U*
Chloromethane	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
cis-1,2-Dichloroethylene	0.25	100	0.0037	*U*	0.003	*U*	0.0049	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
Dibromochloromethane	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
Dichlorodifluoromethane	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
Ethyl Benzene	1	41	0.026		0.0089		0.0049	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0037	*U*	0.003	*U*	0.0049	*U*
Methylene chloride	0.05	500	0.0037	*U*	0.003	*U*	0.0049	*U*
Naphthalene	12	12	0.018	*B*	0.0044	*JB*	0.0049	*U*
n-Butylbenzene	12	100	0.0037	*U*	0.003	*U*	0.0049	*U*
n-Propylbenzene	3.9	100	0.017		0.003	*U*	0.0049	*U*
o-Xylene	0.26	100	0.024		0.0042	*J*	0.0049	*U*
p- & m- Xylenes	0.26	100	0.074		0.015		0.0049	*U*
sec-Butylbenzene	11	100	0.0037	*U*	0.003	*U*	0.0049	*U*
Styrene	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
tert-Butylbenzene	5.9	100	0.0037	*U*	0.003	*U*	0.0049	*U*
Tetrachloroethylene	1.3	19	0.0037	*U*	0.003	*U*	0.0049	*U*
Toluene	0.7	100	0.0037	*U*	0.0071		0.0049	*U*
trans-1,2-Dichloroethylene	0.19	100	0.0037	*U*	0.003	*U*	0.0049	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
Trichloroethylene	0.47	21	0.0037	*U*	0.003	*U*	0.0049	*U*
Trichlorofluoromethane	NA	NA	0.0037	*U*	0.003	*U*	0.0049	*U*
Vinyl chloride	NA	0.9	0.0037	*U*	0.003	*U*	0.0049	*U*
Xylenes, Total	0.26	100	0.098		0.019		0.0049	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted R= rejected

Table 3B: TCL VOCs in Borings
NYSDCE Site ID:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**3B-3 15'**		**3B-4 2"**		**3B-4 8.5'**	
U= Not Detected at or above indicated value		Sample Date	7/1/2014		7/1/2014		7/1/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	0.68	100	0.0043	*U*	0.0053	*U*	0.011	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
1,1,2-Trichloroethane	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
1,1-Dichloroethane	0.27	26	0.0043	*U*	0.0053	*U*	0.011	*U*
1,1-Dichloroethylene	0.33	100	0.0043	*U*	0.0053	*U*	0.011	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0043	*U*	0.0053	*U*	0.011	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
1,2-Dibromoethane	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
1,2-Dichloroethane	0.2	31	0.0043	*U*	0.0053	*U*	0.011	*U*
1,2-Dichloropropane	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0043	*U*	0.0053	*U*	0.011	*U*
2-Butanone	0.12	100	0.0043	*U*	0.0053	*U*	0.011	*U*
2-Hexanone	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
4-Methyl-2-pentanone	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
Acetone	0.05	100	0.052	*R*	0.041	*R*	0.052	*R*
Benzene	0.06	48	0.0043	*U*	0.0053	*U*	0.011	*U*
Bromochloromethane	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
Bromoform	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
Bromomethane	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
Carbon disulfide	NA	100	0.0043	*U*	0.0053	*U*	0.011	*U*
Carbon tetrachloride	0.76	24	0.0043	*U*	0.0053	*U*	0.011	*U*
Chlorobenzene	1.1	100	0.0043	*U*	0.0053	*U*	0.011	*U*
Chloroethane	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
Chloroform	0.37	49	0.0043	*U*	0.0053	*U*	0.011	*U*
Chloromethane	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
cis-1,2-Dichloroethylene	0.25	100	0.0043	*U*	0.0053	*U*	0.011	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
Dibromochloromethane	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
Dichlorodifluoromethane	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
Ethyl Benzene	1	41	0.0043	*U*	0.0053	*U*	0.011	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0043	*U*	0.0053	*U*	0.011	*U*
Methylene chloride	0.05	500	0.006	*J*	0.0053	*U*	0.011	*U*
Naphthalene	12	12	0.0043	*U*	0.0053	*U*	0.011	*U*
n-Butylbenzene	12	100	0.0043	*U*	0.0053	*U*	0.011	*U*
n-Propylbenzene	3.9	100	0.0043	*U*	0.0053	*U*	0.011	*U*
o-Xylene	0.26	100	0.0043	*U*	0.0053	*U*	0.011	*U*
p- & m- Xylenes	0.26	100	0.0043	*U*	0.0053	*U*	0.011	*U*
sec-Butylbenzene	11	100	0.0043	*U*	0.0053	*U*	0.011	*U*
Styrene	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
tert-Butylbenzene	5.9	100	0.0043	*U*	0.0053	*U*	0.011	*U*
Tetrachloroethylene	1.3	19	0.0043	*U*	0.0053	*U*	0.011	*U*
Toluene	0.7	100	0.0043	*U*	0.0053	*U*	0.011	*U*
trans-1,2-Dichloroethylene	0.19	100	0.0043	*U*	0.0053	*U*	0.011	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
Trichloroethylene	0.47	21	0.0043	*U*	0.0053	*U*	0.011	*U*
Trichlorofluoromethane	NA	NA	0.0043	*U*	0.0053	*U*	0.011	*U*
Vinyl chloride	NA	0.9	0.0043	*U*	0.0053	*U*	0.011	*U*
Xylenes, Total	0.26	100	0.0043	*U*	0.0053	*U*	0.011	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted R= rejected

Table 3B: TCL VOCs in Borings
NYSDCE Site ID:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**3B-4 MS/MSD**	
U= Not Detected at or above indicated value		Sample Date	7/1/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1	
VOCs, 8260	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*
1,1,1-Trichloroethane	0.68	100	0.0066	*U*
1,1,2,2-Tetrachloroethane	NA	NA	0.0066	*U*
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.0066	*U*
1,1,2-Trichloroethane	NA	NA	0.0066	*U*
1,1-Dichloroethane	0.27	26	0.0066	*U*
1,1-Dichloroethylene	0.33	100	0.0066	*U*
1,2,4-Trichlorobenzene	NA	NA	0.0066	*U*
1,2,4-Trimethylbenzene	3.6	52	0.0066	*U*
1,2-Dibromo-3-chloropropane	NA	NA	0.0066	*U*
1,2-Dibromoethane	NA	NA	0.0066	*U*
1,2-Dichloroethane	0.2	31	0.0066	*U*
1,2-Dichloropropane	NA	NA	0.0066	*U*
1,3,5-Trimethylbenzene	8.4	52	0.0066	*U*
2-Butanone	0.12	100	0.0066	*U*
2-Hexanone	NA	NA	0.0066	*U*
4-Methyl-2-pentanone	NA	NA	0.0066	*U*
Acetone	0.05	100	0.04	*R*
Benzene	0.06	48	0.0066	*U*
Bromochloromethane	NA	NA	0.0066	*U*
Bromoform	NA	NA	0.0066	*U*
Bromomethane	NA	NA	0.0066	*U*
Carbon disulfide	NA	100	0.0066	*U*
Carbon tetrachloride	0.76	24	0.0066	*U*
Chlorobenzene	1.1	100	0.0066	*U*
Chloroethane	NA	NA	0.0066	*U*
Chloroform	0.37	49	0.0066	*U*
Chloromethane	NA	NA	0.0066	*U*
cis-1,2-Dichloroethylene	0.25	100	0.0066	*U*
cis-1,3-Dichloropropylene	NA	NA	0.0066	*U*
Dibromochloromethane	NA	NA	0.0066	*U*
Dichlorodifluoromethane	NA	NA	0.0066	*U*
Ethyl Benzene	1	41	0.0066	*U*
Methyl tert-butyl ether (MTBE)	0.93	100	0.0066	*U*
Methylene chloride	0.05	500	0.0066	*U*
Naphthalene	12	12	0.0066	*U*
n-Butylbenzene	12	100	0.0066	*U*
n-Propylbenzene	3.9	100	0.0066	*U*
o-Xylene	0.26	100	0.0066	*U*
p- & m- Xylenes	0.26	100	0.0066	*U*
sec-Butylbenzene	11	100	0.0066	*U*
Styrene	NA	NA	0.0066	*U*
tert-Butylbenzene	5.9	100	0.0066	*U*
Tetrachloroethylene	1.3	19	0.0066	*U*
Toluene	0.7	100	0.0066	*U*
trans-1,2-Dichloroethylene	0.19	100	0.0066	*U*
trans-1,3-Dichloropropylene	NA	NA	0.0066	*U*
Trichloroethylene	0.47	21	0.0066	*U*
Trichlorofluoromethane	NA	NA	0.0066	*U*
Vinyl chloride	NA	0.9	0.0066	*U*
Xylenes, Total	0.26	100	0.0066	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted R= rejected

Table 4A: TCL SVOCs in Test Pits

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-1 0-2"**		**TP-1 8.5'**		**TP-2 0-2"**		**TP-2 5'**	
U= Not Detected at or above indicated value		Sample Date	6/10/2014		6/10/2014		6/10/2014		6/10/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
1,2-Dichlorobenzene	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
1,3-Dichlorobenzene	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
1,4-Dichlorobenzene	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
2,4,5-Trichlorophenol	NA	100	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
2,4,6-Trichlorophenol	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
2,4-Dichlorophenol	NA	100	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
2,4-Dimethylphenol	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
2,4-Dinitrophenol	NA	100	0.285	*U*	0.191	*U*	0.198	*U*	0.215	*U*
2,4-Dinitrotoluene	NA	NA	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
2,6-Dinitrotoluene	NA	1.03	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
2-Chloronaphthalene	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
2-Chlorophenol	NA	100	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
2-Methylnaphthalene	NA	0.41	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
2-Methylphenol	NA	100	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
2-Nitroaniline	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
2-Nitrophenol	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
3- & 4-Methylphenols	NA	100	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
3,3'-Dichlorobenzidine	NA	NA	0.285	*U*	0.191	*U*	0.198	*U*	0.215	*U*
3-Nitroaniline	NA	NA	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
4-Chloro-3-methylphenol	NA	NA	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
4-Chloroaniline	NA	NA	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
4-Nitroaniline	NA	NA	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
4-Nitrophenol	NA	NA	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
Acenaphthene	20	100	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Acenaphthylene	100	100	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Anthracene	100	100	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Benzo(a)anthracene	1	1	0.0717	*U*	0.0481	*U*	0.0536	*J*	0.0541	*U*
Benzo(a)pyrene	1	1	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Benzo(b)fluoranthene	1	1	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Benzo(g,h,i)perylene	100	100	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0717	*U*	0.0481	*U*	0.0505	*J*	0.0541	*U*
Benzoic acid	NA	100	0.195	*U*	0.131	*U*	0.135	*U*	0.147	*U*
Benzyl alcohol	NA	NA	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
Benzyl butyl phthalate	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Bis(2-ethylhexyl)phthalate	NA	50	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Chrysene	1	3.9	0.0717	*U*	0.0481	*U*	0.0564	*J*	0.0541	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Dibenzofuran	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Diethyl phthalate	NA	100	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Dimethyl phthalate	NA	100	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Di-n-butyl phthalate	NA	100	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Di-n-octyl phthalate	NA	100	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Fluoranthene	100	100	0.0717	*U*	0.0481	*U*	0.114	*J*	0.0541	*U*
Fluorene	30	100	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Hexachlorobenzene	NA	0.41	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Hexachlorobutadiene	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Hexachlorocyclopentadiene	NA	NA	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
Hexachloroethane	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Isophorone	NA	100	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Naphthalene	12	100	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Nitrobenzene	NA	15	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
N-Nitrosodiphenylamine	NA	NA	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Pentachlorophenol	0.8	6.7	0.143	*U*	0.0962	*U*	0.0994	*U*	0.108	*U*
Phenanthrene	100	100	0.0717	*U*	0.0481	*U*	0.058	*J*	0.0541	*U*
Phenol	0.33	100	0.0717	*U*	0.0481	*U*	0.0497	*U*	0.0541	*U*
Pyrene	100	100	0.0717	*U*	0.0481	*U*	0.0863	*J*	0.0541	*U*

Detected Concentrations

Concentrations > Track 1 UUSCOs

Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4A: TCL SVOCs in Test Pits

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-3 0-2"**		**TP-3 8.5'**		**TP-4 0-2"**		**TP-4 8.5'**	
U= Not Detected at or above indicated value		Sample Date	6/10/2014		6/10/2014		6/10/2014		6/10/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
1,2-Dichlorobenzene	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
1,3-Dichlorobenzene	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
1,4-Dichlorobenzene	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
2,4,5-Trichlorophenol	NA	100	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
2,4,6-Trichlorophenol	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
2,4-Dichlorophenol	NA	100	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
2,4-Dimethylphenol	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
2,4-Dinitrophenol	NA	100	0.964	*U*	0.189	*U*	0.947	*U*	0.195	*U*
2,4-Dinitrotoluene	NA	NA	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
2,6-Dinitrotoluene	NA	1.03	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
2-Chloronaphthalene	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
2-Chlorophenol	NA	100	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
2-Methylnaphthalene	NA	0.41	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
2-Methylphenol	NA	100	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
2-Nitroaniline	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
2-Nitrophenol	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
3- & 4-Methylphenols	NA	100	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
3,3'-Dichlorobenzidine	NA	NA	0.964	*U*	0.189	*U*	0.947	*U*	0.195	*U*
3-Nitroaniline	NA	NA	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
4-Bromophenyl phenyl ether	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
4-Chloro-3-methylphenol	NA	NA	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
4-Chloroaniline	NA	NA	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
4-Nitroaniline	NA	NA	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
4-Nitrophenol	NA	NA	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
Acenaphthene	20	100	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Acenaphthylene	100	100	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Anthracene	100	100	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Benzo(a)anthracene	1	1	0.468	*JD*	0.0475	*U*	0.238	*U*	0.0491	*U*
Benzo(a)pyrene	1	1	0.287	*JD*	0.0475	*U*	0.238	*U*	0.0491	*U*
Benzo(b)fluoranthene	1	1	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Benzo(g,h,i)perylene	100	100	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
Benzo(k)fluoranthene	0.8	3.9	0.3	*JD*	0.0475	*U*	0.238	*U*	0.0491	*U*
Benzoic acid	NA	100	0.658	*U*	0.129	*U*	0.646	*U*	0.133	*U*
Benzyl alcohol	NA	NA	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
Benzyl butyl phthalate	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Bis(2-chloroethyl)ether	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Bis(2-ethylhexyl)phthalate	NA	50	0.31	*JD*	0.0475	*U*	0.238	*U*	0.0491	*U*
Chrysene	1	3.9	0.354	*JD*	0.0475	*U*	0.238	*U*	0.0491	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Dibenzofuran	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Diethyl phthalate	NA	100	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Dimethyl phthalate	NA	100	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Di-n-butyl phthalate	NA	100	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Di-n-octyl phthalate	NA	100	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Fluoranthene	100	100	0.833	*JD*	0.0475	*U*	0.238	*U*	0.0491	*U*
Fluorene	30	100	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Hexachlorobenzene	NA	0.41	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Hexachlorobutadiene	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Hexachlorocyclopentadiene	NA	NA	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
Hexachloroethane	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Isophorone	NA	100	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Naphthalene	12	100	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Nitrobenzene	NA	15	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
N-nitroso-di-n-propylamine	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
N-Nitrosodiphenylamine	NA	NA	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Pentachlorophenol	0.8	6.7	0.485	*U*	0.0949	*U*	0.476	*U*	0.0982	*U*
Phenanthrene	100	100	0.325	*JD*	0.0475	*U*	0.238	*U*	0.0491	*U*
Phenol	0.33	100	0.242	*U*	0.0475	*U*	0.238	*U*	0.0491	*U*
Pyrene	100	100	0.72	*JD*	0.0475	*U*	0.238	*U*	0.0491	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4A: TCL SVOCs in Test Pits

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-5 0-2"**		**TP-5 5'**		**TP-6 0-2"**		**TP-6 4'**	
U= Not Detected at or above indicated value		Sample Date	6/10/2014		6/10/2014		6/10/2014		6/10/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
1,2-Dichlorobenzene	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
1,3-Dichlorobenzene	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
1,4-Dichlorobenzene	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
2,4,5-Trichlorophenol	NA	100	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
2,4,6-Trichlorophenol	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
2,4-Dichlorophenol	NA	100	0.504	*U*	0.132	*U*	0.491	*U*	1.94	*U*
2,4-Dimethylphenol	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
2,4-Dinitrophenol	NA	100	1	*U*	0.262	*U*	0.976	*U*	3.86	*U*
2,4-Dinitrotoluene	NA	NA	0.504	*U*	0.132	*U*	0.491	*U*	1.94	*U*
2,6-Dinitrotoluene	NA	1.03	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
2-Chloronaphthalene	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
2-Chlorophenol	NA	100	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
2-Methylnaphthalene	NA	0.41	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
2-Methylphenol	NA	100	0.504	*U*	0.132	*U*	0.491	*U*	1.94	*U*
2-Nitroaniline	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
2-Nitrophenol	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
3- & 4-Methylphenols	NA	100	0.504	*U*	0.132	*U*	0.491	*U*	1.94	*U*
3,3'-Dichlorobenzidine	NA	NA	1	*U*	0.262	*U*	0.976	*U*	3.86	*U*
3-Nitroaniline	NA	NA	0.504	*U*	0.132	*U*	0.491	*U*	1.94	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.504	*U*	0.132	*U*	0.491	*U*	1.94	*U*
4-Bromophenyl phenyl ether	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
4-Chloro-3-methylphenol	NA	NA	0.504	*U*	0.132	*U*	0.491	*U*	1.94	*U*
4-Chloroaniline	NA	NA	0.504	*U*	0.132	*U*	0.491	*U*	1.94	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
4-Nitroaniline	NA	NA	0.504	*U*	0.132	*U*	0.491	*U*	1.94	*U*
4-Nitrophenol	NA	NA	0.504	*U*	0.132	*U*	0.491	*U*	1.94	*U*
Acenaphthene	20	100	0.252	*U*	0.0658	*U*	0.343	*JD*	0.97	*U*
Acenaphthylene	100	100	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Anthracene	100	100	0.252	*U*	0.0658	*U*	1.24	*D*	1.05	*JD*
Benzo(a)anthracene	1	1	0.252	*U*	0.0658	*U*	**4.1**	*D*	**2.49**	*JD*
Benzo(a)pyrene	1	1	0.252	*U*	0.0658	*U*	**1.85**	*D*	0.97	*U*
Benzo(b)fluoranthene	1	1	0.252	*U*	0.0658	*U*	**2.33**	*D*	**1.17**	*JD*
Benzo(g,h,i)perylene	100	100	0.504	*U*	0.132	*U*	0.654	*JD*	1.94	*U*
Benzo(k)fluoranthene	0.8	3.9	0.252	*U*	0.0658	*U*	2.21	*D*	1.11	*JD*
Benzoic acid	NA	100	0.684	*U*	0.179	*U*	0.666	*U*	2.63	*U*
Benzyl alcohol	NA	NA	0.504	*U*	0.132	*U*	0.491	*U*	1.94	*U*
Benzyl butyl phthalate	NA	NA	0.252	*U*	0.0658	*U*	0.536	*JD*	0.97	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Bis(2-chloroethyl)ether	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Bis(2-ethylhexyl)phthalate	NA	50	0.252	*U*	0.0658	*U*	0.701	*JD*	0.97	*U*
Chrysene	1	3.9	0.252	*U*	0.0658	*U*	3.62	*D*	2.37	*JD*
Dibenzo(a,h)anthracene	0.33	0.33	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Dibenzofuran	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Diethyl phthalate	NA	100	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Dimethyl phthalate	NA	100	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Di-n-butyl phthalate	NA	100	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Di-n-octyl phthalate	NA	100	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Fluoranthene	100	100	0.252	*U*	0.0658	*U*	8.07	*D*	6.07	*D*
Fluorene	30	100	0.252	*U*	0.0658	*U*	0.407	*JD*	0.97	*U*
Hexachlorobenzene	NA	0.41	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Hexachlorobutadiene	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Hexachlorocyclopentadiene	NA	NA	0.504	*U*	0.132	*U*	0.491	*U*	1.94	*U*
Hexachloroethane	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.252	*U*	0.0658	*U*	**0.812**	*JD*	0.97	*U*
Isophorone	NA	100	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Naphthalene	12	100	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Nitrobenzene	NA	15	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
N-nitroso-di-n-propylamine	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
N-Nitrosodiphenylamine	NA	NA	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Pentachlorophenol	0.8	6.7	0.504	*U*	0.132	*U*	0.491	*U*	1.94	*U*
Phenanthrene	100	100	0.252	*U*	0.0658	*U*	5.07	*D*	4.38	*D*
Phenol	0.33	100	0.252	*U*	0.0658	*U*	0.245	*U*	0.97	*U*
Pyrene	100	100	0.252	*U*	0.0658	*U*	6.38	*D*	5.12	*D*

Detected Concentrations

Concentrations > Track 1 UUSCOs

Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4A: TCL SVOCs in Test Pits

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-7 0-2"**		**TP-7 8'**	
U= Not Detected at or above indicated value		Sample Date	6/10/2014		6/10/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	0.475	*U*	0.0481	*U*
1,2-Dichlorobenzene	NA	NA	0.475	*U*	0.0481	*U*
1,3-Dichlorobenzene	NA	NA	0.475	*U*	0.0481	*U*
1,4-Dichlorobenzene	NA	NA	0.475	*U*	0.0481	*U*
2,4,5-Trichlorophenol	NA	100	0.475	*U*	0.0481	*U*
2,4,6-Trichlorophenol	NA	NA	0.475	*U*	0.0481	*U*
2,4-Dichlorophenol	NA	100	0.949	*U*	0.0963	*U*
2,4-Dimethylphenol	NA	NA	0.475	*U*	0.0481	*U*
2,4-Dinitrophenol	NA	100	1.89	*U*	0.191	*U*
2,4-Dinitrotoluene	NA	NA	0.949	*U*	0.0963	*U*
2,6-Dinitrotoluene	NA	1.03	0.475	*U*	0.0481	*U*
2-Chloronaphthalene	NA	NA	0.475	*U*	0.0481	*U*
2-Chlorophenol	NA	100	0.475	*U*	0.0481	*U*
2-Methylnaphthalene	NA	0.41	0.475	*U*	0.0481	*U*
2-Methylphenol	NA	100	0.949	*U*	0.0963	*U*
2-Nitroaniline	NA	NA	0.475	*U*	0.0481	*U*
2-Nitrophenol	NA	NA	0.475	*U*	0.0481	*U*
3- & 4-Methylphenols	NA	100	0.949	*U*	0.0963	*U*
3,3'-Dichlorobenzidine	NA	NA	1.89	*U*	0.191	*U*
3-Nitroaniline	NA	NA	0.949	*U*	0.0963	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.949	*U*	0.0963	*U*
4-Bromophenyl phenyl ether	NA	NA	0.475	*U*	0.0481	*U*
4-Chloro-3-methylphenol	NA	NA	0.949	*U*	0.0963	*U*
4-Chloroaniline	NA	NA	0.949	*U*	0.0963	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.475	*U*	0.0481	*U*
4-Nitroaniline	NA	NA	0.949	*U*	0.0963	*U*
4-Nitrophenol	NA	NA	0.949	*U*	0.0963	*U*
Acenaphthene	20	100	0.475	*U*	0.0481	*U*
Acenaphthylene	100	100	0.475	*U*	0.0481	*U*
Anthracene	100	100	0.475	*U*	0.0481	*U*
Benzo(a)anthracene	1	1	0.475	*U*	0.0481	*U*
Benzo(a)pyrene	1	1	0.475	*U*	0.0481	*U*
Benzo(b)fluoranthene	1	1	0.475	*U*	0.0481	*U*
Benzo(g,h,i)perylene	100	100	0.949	*U*	0.0963	*U*
Benzo(k)fluoranthene	0.8	3.9	0.475	*U*	0.0481	*U*
Benzoic acid	NA	100	1.29	*U*	0.131	*U*
Benzyl alcohol	NA	NA	0.949	*U*	0.0963	*U*
Benzyl butyl phthalate	NA	NA	0.475	*U*	0.0481	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.475	*U*	0.0481	*U*
Bis(2-chloroethyl)ether	NA	NA	0.475	*U*	0.0481	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.475	*U*	0.0481	*U*
Bis(2-ethylhexyl)phthalate	NA	50	0.475	*U*	0.0481	*U*
Chrysene	1	3.9	0.475	*U*	0.0481	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.475	*U*	0.0481	*U*
Dibenzofuran	NA	NA	0.475	*U*	0.0481	*U*
Diethyl phthalate	NA	100	0.475	*U*	0.0481	*U*
Dimethyl phthalate	NA	100	0.475	*U*	0.0481	*U*
Di-n-butyl phthalate	NA	100	0.475	*U*	0.0481	*U*
Di-n-octyl phthalate	NA	100	0.475	*U*	0.0481	*U*
Fluoranthene	100	100	0.475	*U*	0.0481	*U*
Fluorene	30	100	0.475	*U*	0.0481	*U*
Hexachlorobenzene	NA	0.41	0.475	*U*	0.0481	*U*
Hexachlorobutadiene	NA	NA	0.475	*U*	0.0481	*U*
Hexachlorocyclopentadiene	NA	NA	0.949	*U*	0.0963	*U*
Hexachloroethane	NA	NA	0.475	*U*	0.0481	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.475	*U*	0.0481	*U*
Isophorone	NA	100	0.475	*U*	0.0481	*U*
Naphthalene	12	100	0.475	*U*	0.0481	*U*
Nitrobenzene	NA	15	0.475	*U*	0.0481	*U*
N-nitroso-di-n-propylamine	NA	NA	0.475	*U*	0.0481	*U*
N-Nitrosodiphenylamine	NA	NA	0.475	*U*	0.0481	*U*
Pentachlorophenol	0.8	6.7	0.949	*U*	0.0963	*U*
Phenanthrene	100	100	0.475	*U*	0.0481	*U*
Phenol	0.33	100	0.475	*U*	0.0481	*U*
Pyrene	100	100	0.475	*U*	0.0481	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4B: TCL SVOCs in Borings

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**3B-1 2''**		**3B-1 8.5'**		**3B-2 2''**		**3B-2 8.5'**	
U= Not Detected at or above indicated value		Sample Date	7/1/2014		7/1/2014		7/1/2014		7/1/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
1,2-Dichlorobenzene	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
1,3-Dichlorobenzene	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
1,4-Dichlorobenzene	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
2,4,5-Trichlorophenol	NA	100	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
2,4,6-Trichlorophenol	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
2,4-Dichlorophenol	NA	100	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
2,4-Dimethylphenol	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
2,4-Dinitrophenol	NA	100	0.191	*U*	0.185	*U*	0.204	*U*	0.186	*U*
2,4-Dinitrotoluene	NA	NA	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
2,6-Dinitrotoluene	NA	1.03	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
2-Chloronaphthalene	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
2-Chlorophenol	NA	100	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.479	
2-Methylnaphthalene	NA	0.41	0.0479	*U*	0.0465	*U*	0.0512	*U*	**0.486**	
2-Methylphenol	NA	100	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
2-Nitroaniline	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
2-Nitrophenol	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
3- & 4-Methylphenols	NA	100	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
3,3'-Dichlorobenzidine	NA	NA	0.191	*U*	0.185	*U*	0.204	*U*	0.186	*U*
3-Nitroaniline	NA	NA	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
4-Bromophenyl phenyl ether	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
4-Chloro-3-methylphenol	NA	NA	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
4-Chloroaniline	NA	NA	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
4-Nitroaniline	NA	NA	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
4-Nitrophenol	NA	NA	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
Acenaphthene	20	100	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Acenaphthylene	100	100	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Anthracene	100	100	0.0799	*J*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Benzo(a)anthracene	1	1	0.13	*J*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Benzo(a)pyrene	1	1	0.0685	*J*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Benzo(b)fluoranthene	1	1	0.0825	*J*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Benzo(g,h,i)perylene	100	100	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
Benzo(k)fluoranthene	0.8	3.9	0.0608	*J*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Benzoic acid	NA	100	0.13	*U*	0.126	*U*	0.139	*U*	0.127	*U*
Benzyl alcohol	NA	NA	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
Benzyl butyl phthalate	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Bis(2-chloroethyl)ether	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Bis(2-ethylhexyl)phthalate	NA	50	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Chrysene	1	3.9	0.123	*J*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Dibenzofuran	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Diethyl phthalate	NA	100	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Dimethyl phthalate	NA	100	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Di-n-butyl phthalate	NA	100	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Di-n-octyl phthalate	NA	100	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Fluoranthene	100	100	0.311		0.0465	*U*	0.0512	*U*	0.0468	*U*
Fluorene	30	100	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0487	*J*
Hexachlorobenzene	NA	0.41	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Hexachlorobutadiene	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Hexachlorocyclopentadiene	NA	NA	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
Hexachloroethane	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Isophorone	NA	100	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Naphthalene	12	100	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.255	
Nitrobenzene	NA	15	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
N-nitroso-di-n-propylamine	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
N-Nitrosodiphenylamine	NA	NA	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Pentachlorophenol	0.8	6.7	0.0958	*U*	0.093	*U*	0.102	*U*	0.0936	*U*
Phenanthrene	100	100	0.275		0.0465	*U*	0.0512	*U*	0.0694	*J*
Phenol	0.33	100	0.0479	*U*	0.0465	*U*	0.0512	*U*	0.0468	*U*
Pyrene	100	100	0.213		0.0465	*U*	0.0512	*U*	0.0468	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4B: TCL SVOCs in Borings

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**3B-2 18"**		**3B-3 2"**		**3B-3 15'**		**3B-4 2"**	
U= Not Detected at or above indicated value		Sample Date	7/1/2014		7/1/2014		7/1/2014		7/1/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
1,2-Dichlorobenzene	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
1,3-Dichlorobenzene	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
1,4-Dichlorobenzene	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
2,4,5-Trichlorophenol	NA	100	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
2,4,6-Trichlorophenol	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
2,4-Dichlorophenol	NA	100	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
2,4-Dimethylphenol	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
2,4-Dinitrophenol	NA	100	**NT**		8.91	*U*	0.188	*U*	0.193	*U*
2,4-Dinitrotoluene	NA	NA	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
2,6-Dinitrotoluene	NA	1.03	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
2-Chloronaphthalene	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
2-Chlorophenol	NA	100	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
2-Methylnaphthalene	NA	0.41	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
2-Methylphenol	NA	100	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
2-Nitroaniline	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
2-Nitrophenol	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
3- & 4-Methylphenols	NA	100	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
3,3'-Dichlorobenzidine	NA	NA	**NT**		8.91	*U*	0.188	*U*	0.193	*U*
3-Nitroaniline	NA	NA	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
4,6-Dinitro-2-methylphenol	NA	NA	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
4-Bromophenyl phenyl ether	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
4-Chloro-3-methylphenol	NA	NA	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
4-Chloroaniline	NA	NA	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
4-Chlorophenyl phenyl ether	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
4-Nitroaniline	NA	NA	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
4-Nitrophenol	NA	NA	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
Acenaphthene	20	100	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Acenaphthylene	100	100	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Anthracene	100	100	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Benzo(a)anthracene	1	1	**NT**		**2.33**	*JD*	0.0473	*U*	0.0486	*U*
Benzo(a)pyrene	1	1	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Benzo(b)fluoranthene	1	1	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Benzo(g,h,i)perylene	100	100	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
Benzo(k)fluoranthene	0.8	3.9	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Benzoic acid	NA	100	**NT**		6.08	*U*	0.128	*U*	0.132	*U*
Benzyl alcohol	NA	NA	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
Benzyl butyl phthalate	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Bis(2-chloroethoxy)methane	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Bis(2-chloroethyl)ether	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Bis(2-chloroisopropyl)ether	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Bis(2-ethylhexyl)phthalate	NA	50	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Chrysene	1	3.9	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Dibenzo(a,h)anthracene	0.33	0.33	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Dibenzofuran	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Diethyl phthalate	NA	100	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Dimethyl phthalate	NA	100	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Di-n-butyl phthalate	NA	100	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Di-n-octyl phthalate	NA	100	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Fluoranthene	100	100	**NT**		4.16	*JD*	0.0473	*U*	0.0486	*U*
Fluorene	30	100	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Hexachlorobenzene	NA	0.41	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Hexachlorobutadiene	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Hexachlorocyclopentadiene	NA	NA	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
Hexachloroethane	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Isophorone	NA	100	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Naphthalene	12	100	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Nitrobenzene	NA	15	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
N-nitroso-di-n-propylamine	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
N-Nitrosodiphenylamine	NA	NA	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Pentachlorophenol	0.8	6.7	**NT**		4.48	*U*	0.0946	*U*	0.0972	*U*
Phenanthrene	100	100	**NT**		2.42	*JD*	0.0473	*U*	0.0486	*U*
Phenol	0.33	100	**NT**		2.24	*U*	0.0473	*U*	0.0486	*U*
Pyrene	100	100	**NT**		2.97	*JD*	0.0473	*U*	0.0486	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 4B: TCL SVOCs in Borings

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**3B-4 8.5'**		**3B-4 MS/MSD**	
U= Not Detected at or above indicated value		Sample Date	7/1/2014		7/1/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1	
SVOCs, 8270	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*
1,2,4-Trichlorobenzene	NA	NA	0.048	*U*	0.0503	*U*
1,2-Dichlorobenzene	NA	NA	0.048	*U*	0.0503	*U*
1,3-Dichlorobenzene	NA	NA	0.048	*U*	0.0503	*U*
1,4-Dichlorobenzene	NA	NA	0.048	*U*	0.0503	*U*
2,4,5-Trichlorophenol	NA	100	0.048	*U*	0.0503	*U*
2,4,6-Trichlorophenol	NA	NA	0.048	*U*	0.0503	*U*
2,4-Dichlorophenol	NA	100	0.0959	*U*	0.101	*U*
2,4-Dimethylphenol	NA	NA	0.048	*U*	0.0503	*U*
2,4-Dinitrophenol	NA	100	0.191	*U*	0.2	*U*
2,4-Dinitrotoluene	NA	NA	0.0959	*U*	0.101	*U*
2,6-Dinitrotoluene	NA	1.03	0.048	*U*	0.0503	*U*
2-Chloronaphthalene	NA	NA	0.048	*U*	0.0503	*U*
2-Chlorophenol	NA	100	0.048	*U*	0.0503	*U*
2-Methylnaphthalene	NA	0.41	0.048	*U*	0.0503	*U*
2-Methylphenol	NA	100	0.0959	*U*	0.101	*U*
2-Nitroaniline	NA	NA	0.048	*U*	0.0503	*U*
2-Nitrophenol	NA	NA	0.048	*U*	0.0503	*U*
3- & 4-Methylphenols	NA	100	0.0959	*U*	0.101	*U*
3,3'-Dichlorobenzidine	NA	NA	0.191	*U*	0.2	*U*
3-Nitroaniline	NA	NA	0.0959	*U*	0.101	*U*
4,6-Dinitro-2-methylphenol	NA	NA	0.0959	*U*	0.101	*U*
4-Bromophenyl phenyl ether	NA	NA	0.048	*U*	0.0503	*U*
4-Chloro-3-methylphenol	NA	NA	0.0959	*U*	0.101	*U*
4-Chloroaniline	NA	NA	0.0959	*U*	0.101	*U*
4-Chlorophenyl phenyl ether	NA	NA	0.048	*U*	0.0503	*U*
4-Nitroaniline	NA	NA	0.0959	*U*	0.101	*U*
4-Nitrophenol	NA	NA	0.0959	*U*	0.101	*U*
Acenaphthene	20	100	0.048	*U*	0.0503	*U*
Acenaphthylene	100	100	0.048	*U*	0.0503	*U*
Anthracene	100	100	0.048	*U*	0.0503	*U*
Benzo(a)anthracene	1	1	0.048	*U*	0.0503	*U*
Benzo(a)pyrene	1	1	0.048	*U*	0.0503	*U*
Benzo(b)fluoranthene	1	1	0.048	*U*	0.0503	*U*
Benzo(g,h,i)perylene	100	100	0.0959	*U*	0.101	*U*
Benzo(k)fluoranthene	0.8	3.9	0.048	*U*	0.0503	*U*
Benzoic acid	NA	100	0.13	*U*	0.136	*U*
Benzyl alcohol	NA	NA	0.0959	*U*	0.101	*U*
Benzyl butyl phthalate	NA	NA	0.048	*U*	0.0503	*U*
Bis(2-chloroethoxy)methane	NA	NA	0.048	*U*	0.0503	*U*
Bis(2-chloroethyl)ether	NA	NA	0.048	*U*	0.0503	*U*
Bis(2-chloroisopropyl)ether	NA	NA	0.048	*U*	0.0503	*U*
Bis(2-ethylhexyl)phthalate	NA	50	0.048	*U*	0.0503	*U*
Chrysene	1	3.9	0.048	*U*	0.0503	*U*
Dibenzo(a,h)anthracene	0.33	0.33	0.048	*U*	0.0503	*U*
Dibenzofuran	NA	NA	0.048	*U*	0.0503	*U*
Diethyl phthalate	NA	100	0.048	*U*	0.0503	*U*
Dimethyl phthalate	NA	100	0.048	*U*	0.0503	*U*
Di-n-butyl phthalate	NA	100	0.048	*U*	0.0503	*U*
Di-n-octyl phthalate	NA	100	0.048	*U*	0.0503	*U*
Fluoranthene	100	100	0.048	*U*	0.0503	*U*
Fluorene	30	100	0.048	*U*	0.0503	*U*
Hexachlorobenzene	NA	0.41	0.048	*U*	0.0503	*U*
Hexachlorobutadiene	NA	NA	0.048	*U*	0.0503	*U*
Hexachlorocyclopentadiene	NA	NA	0.0959	*U*	0.101	*U*
Hexachloroethane	NA	NA	0.048	*U*	0.0503	*U*
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.048	*U*	0.0503	*U*
Isophorone	NA	100	0.048	*U*	0.0503	*U*
Naphthalene	12	100	0.048	*U*	0.0503	*U*
Nitrobenzene	NA	15	0.048	*U*	0.0503	*U*
N-nitroso-di-n-propylamine	NA	NA	0.048	*U*	0.0503	*U*
N-Nitrosodiphenylamine	NA	NA	0.048	*U*	0.0503	*U*
Pentachlorophenol	0.8	6.7	0.0959	*U*	0.101	*U*
Phenanthrene	100	100	0.048	*U*	0.0503	*U*
Phenol	0.33	100	0.048	*U*	0.0503	*U*
Pyrene	100	100	0.048	*U*	0.0503	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5A: TAL Metals in Test Pits

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-1 0-2"**		**TP-1 8.5'**		**TP-2 0-2"**		**TP-2 5'**	
U= Not Detected at or above indicated value		Sample Date	6/10/2014		6/10/2014		6/10/2014		6/10/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	5,090		3,350		9,960		7,980	
Antimony	NA	NA	0.675		0.572	*U*	0.877		0.644	*U*
Arsenic	13	16	2.63		1.19		5.39		3.35	
Barium	350	400	59.6		25.3		111		66	
Beryllium	7.2	72	0.114	*U*	0.114	*U*	0.118	*U*	0.129	*U*
Cadmium	2.5	4.3	0.342	*U*	0.343	*U*	0.355	*U*	0.386	*U*
Calcium	NA	NA	41,800		1,620		8,550		3,150	
Chromium	30	180	6.06		9.08		22.9		29.4	
Cobalt	NA	30	2.91		4.61		5.72		7.23	
Copper	50	270	17.4		10.8		26.5		13.7	
Iron	NA	2,000	**6,450**		**9,280**		**13,300**		**15,200**	
Lead	63	400	63.9		2.6		206		32.7	
Magnesium	NA	NA	2,160		1,990		3,680		2,670	
Manganese	1,600	2,000	124		67.3		170		171	
Mercury	0.18	0.81	0.0376	*U*	0.0378	*U*	0.0458		0.0425	*U*
Nickel	30	310	9.94		10.8		15.6		19	
Potassium	NA	NA	831		961		779		985	
Selenium	3.90	180	1.14	*U*	1.14	*U*	1.59		1.44	
Silver	2	180	0.569	*U*	0.572	*U*	0.591	*U*	0.644	*U*
Sodium	NA	NA	138		102		109		90.5	
Thallium	NA	NA	1.14	*U*	1.14	*U*	1.18	*U*	1.29	*U*
Vanadium	NA	100	9.49		15.5		30.3		49.4	
Zinc	109	2,200	69.3		15.7		95.6		41.6	

Detected Concentrations

Concentrations > Track 1 UUSCOs

Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5A: TAL Metals in Test Pits

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-3 0-2"**		**TP-3 8.5'**		**TP-4 0-2"**		**TP-4 8.5'**	
U= Not Detected at or above indicated value		Sample Date	6/10/2014		6/10/2014		6/10/2014		6/10/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	11,100		4,480		7,560		6,660	
Antimony	NA	NA	0.577	*U*	0.565	*U*	0.567	*U*	0.585	*U*
Arsenic	13	16	4		1.3		5.65		1.31	
Barium	350	400	96.2		33.5		106		61.7	
Beryllium	7.2	72	0.115	*U*	0.113	*U*	0.113	*U*	0.117	*U*
Cadmium	2.5	4.3	0.346	*U*	0.339	*U*	0.34	*U*	0.351	*U*
Calcium	NA	NA	10,200		2,450		36,100		2,620	
Chromium	30	180	27.7		14.3		20.2		14.9	
Cobalt	NA	30	7.07		4.3		5.3		10.9	
Copper	50	270	27.4		16.8		30.8		28.5	
Iron	NA	2,000	**16,300**		**7,660**		**12,300**		**15,600**	
Lead	63	400	186		2.6		233		2.73	
Magnesium	NA	NA	4,190		2,160		4,720		3,930	
Manganese	1,600	2,000	249		80.3		193		141	
Mercury	0.18	0.81	0.0381	*U*	0.0373	*U*	0.0374	*U*	0.0386	*U*
Nickel	30	310	18		13.2		16.2		25.2	
Potassium	NA	NA	1,380		656		925		1,940	
Selenium	3.90	180	2.13		1.13	*U*	1.13	*U*	1.7	
Silver	2	180	0.577	*U*	0.565	*U*	0.567	*U*	0.585	*U*
Sodium	NA	NA	103		327		159		263	
Thallium	NA	NA	1.15	*U*	1.13	*U*	1.13	*U*	1.17	*U*
Vanadium	NA	100	29.7		22.9		25.7		36.9	
Zinc	109	2,200	123		15		115		32.3	

Detected Concentrations

Concentrations > Track 1 UUSCOs

Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5A: TAL Metals in Test Pits

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-5 0-2"**		**TP-5 5'**		**TP-6 0-2"**		**TP-6 4'**	
U= Not Detected at or above indicated value		Sample Date	6/10/2014		6/10/2014		6/10/2014		6/10/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	6,880		43,100		8,600		7,970	
Antimony	NA	NA	1.2		1.89		3.48		5.13	
Arsenic	13	16	2.22		5.95		4.18		7.28	
Barium	350	400	104		**561**		132		**727**	
Beryllium	7.2	72	0.12	*U*	1.54		0.117	*U*	0.115	*U*
Cadmium	2.5	4.3	1.42		0.47	*U*	1.03		1.58	
Calcium	NA	NA	7,430		5,290		11,900		25,400	
Chromium	30	180	11.6		162		37.5		45	
Cobalt	NA	30	4.37		**33.6**		9.01		8.9	
Copper	50	270	52.8		17.1		68.5		53.2	
Iron	NA	2,000	**8,970**		**33,200**		**24,200**		**15,300**	
Lead	63	400	150		13.6		**509**		**2,050**	
Magnesium	NA	NA	2,440		3,270		6,730		6,020	
Manganese	1,600	2,000	57.6		**2,460**		277		312	
Mercury	0.18	0.81	0.0396	*U*	0.0517	*U*	0.0386	*U*	0.0413	
Nickel	30	310	18.4		38.4		35		24.5	
Potassium	NA	NA	605		2,210		1,840		1,080	
Selenium	3.90	180	1.2	*U*	3.78		2.14		1.86	
Silver	2	180	0.6	*U*	0.783	*U*	0.584	*U*	0.577	*U*
Sodium	NA	NA	132		144		217		154	
Thallium	NA	NA	1.2	*U*	1.57	*U*	1.17	*U*	1.15	*U*
Vanadium	NA	100	14.5		38.2		35.6		26.5	
Zinc	109	2,200	155		120		160		650	

Detected Concentrations

Concentrations > Track 1 UUSCOs

Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5A: TAL Metals in Test Pits

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-7 0-2"**		**TP-7 8'**	
U= Not Detected at or above indicated value		Sample Date	6/10/2014		6/10/2014	
Data above SCOs shown in **Bold**		Dilution Factor	1		1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	3,660		8,540	
Antimony	NA	NA	0.565	*U*	0.573	*U*
Arsenic	13	16	3.05		2.03	
Barium	350	400	50.2		55.3	
Beryllium	7.2	72	0.113	*U*	0.115	*U*
Cadmium	2.5	4.3	0.339	*U*	0.344	*U*
Calcium	NA	NA	14,600		1,960	
Chromium	30	180	5.65		26.1	
Cobalt	NA	30	5.76		9.05	
Copper	50	270	51.7		25.9	
Iron	NA	2,000	**7,880**		**16,700**	
Lead	63	400	29.9		4.87	
Magnesium	NA	NA	785		5,070	
Manganese	1,600	2,000	75.6		377	
Mercury	0.18	0.81	0.0999		0.0378	*U*
Nickel	30	310	14.2		33	
Potassium	NA	NA	642		1,160	
Selenium	3.90	180	1.51		1.34	
Silver	2	180	0.565	*U*	0.573	*U*
Sodium	NA	NA	129		140	
Thallium	NA	NA	1.13	*U*	1.15	*U*
Vanadium	NA	100	14		25.5	
Zinc	109	2,200	27.1		29.8	

Detected Concentrations

Concentrations > Track 1 UUSCOs

Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5B: TAL Metals in Borings

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**3B-1 2"**		**3B-1 8.5'**		**3B-2 2"**		**3B-2 8.5'**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-02)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	12,900		8,140		12,500		10,200	
Antimony	NA	NA	0.57	*U*	0.554	*U*	0.61	*U*	0.557	*U*
Arsenic	13	16	2.35		1.11	*U*	2.3		1.11	*U*
Barium	350	400	68.7		53.8		66.9		71.1	
Beryllium	7.2	72	0.114	*U*	0.111	*U*	0.122	*U*	0.111	*U*
Cadmium	2.5	4.3	0.342	*U*	0.332	*U*	0.366	*U*	0.334	*U*
Calcium	NA	NA	1,060		717		3,960		1,290	
Chromium	30	180	26.1		19.1		27.7		26.9	
Cobalt	NA	30	9.04		6.45		5.96		8.97	
Copper	50	270	14.1		21.1		16.6		29.6	
Iron	NA	2,000	**19,600**		**10,800**		**17,300**		**16,900**	
Lead	63	400	19		2.47		88.3		4.35	
Magnesium	NA	NA	2,630		2,090		2,590		3,870	
Manganese	1,600	2,000	264		300		191		357	
Mercury	0.18	0.81	0.0306		0.0316	*U*	0.133		0.0301	*U*
Nickel	30	310	20.3		18.1		17.9		26	
Potassium	NA	NA	482		657		416		1,850	
Selenium	3.90	180	2.11		1.47		1.77		2.06	
Silver	2	180	0.57	*U*	0.554	*U*	0.61	*U*	0.557	*U*
Sodium	NA	NA	192		250		161		206	
Thallium	NA	NA	1.14	*U*	1.11	*U*	1.22	*U*	1.11	*U*
Vanadium	NA	100	29.8		22.6		27.2		47.2	
Zinc	109	2,200	28.7		16.1		53.8		33.5	

Detected Concentrations

Concentrations > Track 1 UUSCOs

Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5B: TAL Metals in Borings

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**3B-3 2"**		**3B-3 15'**		**3B-4 2"**		**3B-4 8.5'**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-02)		(2014-10-02)		(2014-10-02)		(2014-10-02)	
Data above SCOs shown in **Bold**		Dilution Factor	1		1		1		1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aluminum	NA	NA	8,150		19,000		10,600		9,460	
Antimony	NA	NA	0.534	*U*	0.563	*U*	0.579	*U*	0.571	*U*
Arsenic	13	16	2.77		7.25		2.31		2.69	
Barium	350	400	94.8		169		79.7		69	
Beryllium	7.2	72	0.107	*U*	0.113	*U*	0.116	*U*	0.114	*U*
Cadmium	2.5	4.3	0.32	*U*	0.338	*U*	0.347	*U*	0.343	*U*
Calcium	NA	NA	32,300		4,440		1,360		1,500	
Chromium	30	180	19		63		34.2		31.7	
Cobalt	NA	30	8.08		**53.5**		12.2		10.7	
Copper	50	270	30.2		250		26.4		25.8	
Iron	NA	2,000	**15,700**		**77,600**	*D*	**23,100**		**18,800**	
Lead	63	400	55.1		29.8		4.25		17.7	
Magnesium	NA	NA	7,640		12,400		3,430		3,530	
Manganese	1,600	2,000	244		556		290		298	
Mercury	0.18	0.81	0.102		0.0344	*U*	0.0358	*U*	0.031	*U*
Nickel	30	310	18.4		101		27.4		24.8	
Potassium	NA	NA	1,950		7,600		1,220		881	
Selenium	3.90	180	1.31		1.18		2.61		2.39	
Silver	2	180	0.534	*U*	0.563	*U*	0.579	*U*	0.571	*U*
Sodium	NA	NA	243		184		129		124	
Thallium	NA	NA	1.07	*U*	1.13	*U*	1.16	*U*	1.14	*U*
Vanadium	NA	100	37.8		**133**		40.5		35.9	
Zinc	109	2,200	82.2		84.9		30		37.5	

Detected Concentrations

Concentrations > Track 1 UUSCOs

Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 5B: TAL Metals in Borings

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**3B-4 MS/MSD**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-02)	
Data above SCOs shown in **Bold**		Dilution Factor	1	
Metals, 6010 and 7473	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*
Aluminum	NA	NA	11,400	
Antimony	NA	NA	0.598	*U*
Arsenic	13	16	2.39	
Barium	350	400	73.4	
Beryllium	7.2	72	0.12	*U*
Cadmium	2.5	4.3	0.359	*U*
Calcium	NA	NA	1,950	
Chromium	30	180	47.8	
Cobalt	NA	30	11.5	
Copper	50	270	25.5	
Iron	NA	2,000	**22,100**	
Lead	63	400	15.3	
Magnesium	NA	NA	5,050	
Manganese	1,600	2,000	283	
Mercury	0.18	0.81	0.0338	*U*
Nickel	30	310	32.3	
Potassium	NA	NA	1,130	
Selenium	3.90	180	2.71	
Silver	2	180	0.598	*U*
Sodium	NA	NA	140	
Thallium	NA	NA	1.2	*U*
Vanadium	NA	100	44	
Zinc	109	2,200	41.2	

Detected Concentrations

Concentrations > Track 1 UUSCOs

Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6A: TCL Pesticides and PCBs in Test Pits
NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**TP-1 8.5'**		**TP-2 0-2"**		**TP-3 0-2"**		**TP-3 8.5'**		**TP-5 0-2"**		**TP-5 5'**		**TP-7 0-2"**	
U= Not Detected at or above indicated value		Sample Date	6/10/2014		6/10/2014		6/10/2014		6/10/2014		6/10/2014		6/10/2014		6/10/2014	
Data above SCOs shown in **Bold**		Dilution Factor	5		5		5		5		5		5		5	
Pesticides, 8081	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
4,4'-DDD	0.0033	0.3	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
4,4'-DDE	0.0033	0.2	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
4,4'-DDT	0.0033	0.2	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
Aldrin	0.005	NE	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
alpha-BHC	0.02	0.01	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
beta-BHC	0.094	0.04	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
Chlordane, total	0.04	0.05	0.00756	*U*	0.00781	*U*	0.00762	*U*	0.00746	*U*	0.00792	*U*	0.0103	*U*	0.00746	*U*
delta-BHC	7	0.04	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
Dieldrin	0.005	0.004	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
Endosulfan I	2.4	NA	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
Endosulfan II	2.4	NA	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
Endosulfan sulfate	2.4	NA	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
Endrin	0.014	NA	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
Endrin aldehyde	NA	5	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
Endrin ketone	NA	5	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
gamma-BHC (Lindane)	0.1	0.05	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
Heptachlor	0.042	0.04	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
Heptachlor Epoxide	NA	0.03	0.00189	*U*	0.00195	*U*	0.0019	*U*	0.00186	*U*	0.00198	*U*	0.00258	*U*	0.00186	*U*
Methoxychlor	NA	35	0.00945	*U*	0.00976	*U*	0.00952	*U*	0.00932	*U*	0.0099	*U*	0.0129	*U*	0.00932	*U*
Toxaphene	NA	0.06	0.0956	*U*	0.0988	*U*	0.0964	*U*	0.0943	*U*	0.1	*U*	0.131	*U*	0.0944	*U*

		Sample ID	**TP-1 8.5'**		**TP-2 0-2"**		**TP-3 0-2"**		**TP-3 8.5'**		**TP-5 0-2"**		**TP-5 5'**		**TP-7 0-2"**	
		Sample Date	6/10/2014		6/10/2014		6/10/2014		6/10/2014		6/10/2014		6/10/2014		6/10/2014	
		Dilution Factor	1		1		1		1		1		1		1	
PCBs, 8082	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0195	*U*	0.0201	*U*	0.0196	*U*	0.0192	*U*	0.0204	*U*	0.0266	*U*	0.0192	*U*
Aroclor 1221	0.1	1.00	0.0195	*U*	0.0201	*U*	0.0196	*U*	0.0192	*U*	0.0204	*U*	0.0266	*U*	0.0192	*U*
Aroclor 1232	0.1	1.00	0.0195	*U*	0.0201	*U*	0.0196	*U*	0.0192	*U*	0.0204	*U*	0.0266	*U*	0.0192	*U*
Aroclor 1242	0.1	1.00	0.0195	*U*	0.0201	*U*	0.0196	*U*	0.0192	*U*	0.0204	*U*	0.0266	*U*	0.0192	*U*
Aroclor 1248	0.1	1.00	0.0195	*U*	0.0201	*U*	0.0196	*U*	0.0192	*U*	0.0204	*U*	0.0266	*U*	0.0192	*U*
Aroclor 1254	0.1	1.00	0.0195	*U*	0.0201	*U*	0.0196	*U*	0.0192	*U*	0.0204	*U*	0.0266	*U*	0.0192	*U*
Aroclor 1260	0.1	1.00	0.0195	*U*	0.0201	*U*	0.0196	*U*	0.0192	*U*	0.0204	*U*	0.0266	*U*	0.0192	*U*
Aroclor, Total	0.1	1.00	0.0195	*U*	0.0201	*U*	0.0196	*U*	0.0192	*U*	0.0204	*U*	0.0266	*U*	0.0192	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 6B: TCL Pesticides and PCBs in Borings

NYDEC Spill No. Site ID: OER Project Number:

Ecosystems Strategies, Inc.

ESI File: GQ14076

All data in mg/Kg (parts per million, ppm)		**Sample ID**	**3B-2 8.5'**	
U= Not Detected at or above indicated value		Sample Date	(2014-10-02)	
Data above SCOs shown in **Bold**		Dilution Factor	1	
Pesticides, 8081	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*
4,4'-DDD	0.0033	0.3	0.00184	*U*
4,4'-DDE	0.0033	0.2	0.00184	*U*
4,4'-DDT	0.0033	0.2	0.00184	*U*
Aldrin	0.005	NE	0.00184	*U*
alpha-BHC	0.02	0.01	0.00184	*U*
beta-BHC	0.094	0.04	0.00184	*U*
Chlordane, total	0.04	0.05	0.00735	*U*
delta-BHC	7	0.04	0.00184	*U*
Dieldrin	0.005	0.004	0.00184	*U*
Endosulfan I	2.4	NA	0.00184	*U*
Endosulfan II	2.4	NA	0.00184	*U*
Endosulfan sulfate	2.4	NA	0.00184	*U*
Endrin	0.014	NA	0.00184	*U*
Endrin aldehyde	NA	5	0.00184	*U*
Endrin ketone	NA	5	0.00184	*U*
gamma-BHC (Lindane)	0.1	0.05	0.00184	*U*
Heptachlor	0.042	0.04	0.00184	*U*
Heptachlor Epoxide	NA	0.03	0.00184	*U*
Methoxychlor	NA	35	0.00919	*U*
Toxaphene	NA	0.06	0.093	*U*

		Sample ID	**3B-2 8.5'**	
		Sample Date	(2014-10-02)	
		Dilution Factor	1	
PCBs, 8082	**Track 1 UUSCO**	**Track 2 RRUSCO**	*Result*	*Qualifier*
Aroclor 1016	0.1	1.00	0.0189	*U*
Aroclor 1221	0.1	1.00	0.0189	*U*
Aroclor 1232	0.1	1.00	0.0189	*U*
Aroclor 1242	0.1	1.00	0.0189	*U*
Aroclor 1248	0.1	1.00	0.0189	*U*
Aroclor 1254	0.1	1.00	0.0189	*U*
Aroclor 1260	0.1	1.00	0.0189	*U*
Aroclor, Total	0.1	1.00	0.0189	*U*

Detected Concentrations
Concentrations > Track 1 UUSCOs
Concentrations > Track 2 RRUSCOs

Notes: SCOs based on NYSDEC Part 375-6.8 and CP-51 NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank D = diluted

Table 7: VOCs in Groundwater

All values in µg/L

Volatile Organic Compounds (USEPA Method 8260)	Regulatory Criteria	Sample Identification					
		3MW-1		3MW-2		MWA	
		08/27/2014		08/27/2014		08/27/2014	
Dilution Factor		1		10		1	
		Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,1,-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	2.5	U	2.5	U	2.5	U
1,1,2-Trichloroethane	1	2.5	U	2.5	U	2.5	U
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U
1,1-Dichloroethylene	5	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	**35**		2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	5	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	2.5	U	2.5	U	2.5	U
1,2-Dichloropropane	1	2.5	U	2.5	U	2.5	U
1,3,5-Trimethylbenzene	5	2.5	U	3.6	J	2.5	U
2-Butanone	5	2.5	U	2.5	U	2.5	U
2-Hexanone	5	2.5	U	2.5	U	2.5	U
4-Methyl-2-pentanone	5	2.5	U	2.5	U	2.5	U
Acetone	5	2.5	U	2.5	U	2.5	U
Benzene	1	2.5	U	**310**	**D**	2.5	U
Bromodichloromethane	50	2.5	U	2.5	U	2.5	U
Bromoform	50	2.5	U	2.5	U	2.5	U
Bromomethane	5	2.5	U	2.5	U	2.5	U
Carbon disulfide	5	2.5	U	2.5	U	2.5	U
Carbon tetrachloride	5	2.5	U	2.5	U	2.5	U
Chlorobenzene	5	2.5	U	2.5	U	2.5	U
Chloroethane	5	2.5	U	2.5	U	2.5	U
Chloroform	7	2.5	U	2.5	U	2.5	U
Chloromethane	5	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethylene (DCE)	5	2.5	U	2.5	U	2.5	U
cis-1,3-Dichloropropylene	0.4	2.5	U	2.5	U	2.5	U
Dibromochloromethane	5	2.5	U	2.5	U	2.5	U
Dichlorodifluoromethane	5	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	2.5	U	**91**		2.5	U
Isopropylbenzene	5	2.5	U	**10**		2.5	U
Methyl tert-butyl ether (MTBE)	10	2.5	U	**47**		2.5	U
Methylene chloride	5	2.5	U	2.5	U	2.5	U
Naphthalene	10	2.5	U	**18**	**B**	2.5	U
n-Butylbenzene	5	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	2.5	U	**12**		2.5	U
o-Xylene	5	2.5	U	**18**		2.5	U
p- & m- Xylenes	5	5	U	**71**		5	U
sec-Butylbenzene	5	2.5	U	2.5	U	2.5	U
Styrene	5	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U
Tetrachloroethylene (PCE)	5	2.5	U	2.5	U	2.5	U
Toluene	5	2.5	U	**10**		2.5	U
trans-1,2-Dichloroethylene (DCE)	5	2.5	U	2.5	U	2.5	U
trans-1,3-Dichloropropylene	0.4	2.5	U	2.5	U	2.5	U
Trichloroethylene (TCE)	5	2.5	U	2.5	U	2.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U
Vinyl chloride (VC)	2	2.5	U	2.5	U	2.5	U
Xylenes, Total	5	7.5	U	**90**		7.5	U

Notes:

Regulatory Criteria based on water quality standards and guidance values presented in NYSDEC Division of Water TOGS 1.1.1 (June 1998).
U = Not Detected ; NE = Not Established; J
Blue shade indicates detectable concentrations.
Bold and yellow shade indicates exceedance of regulatory criteria
ESI File: WY07054.50

Table 8 : SVOCs in Groundwater

All values in µg/L

Semi-Volatile Organic Compounds (USEPA Method 8270)	Regulatory Criteria	Sample Identification					
		3MW-1		3MW-2		MW-A	
		08/27/2014		08/27/2014		08/27/2014	
Dilution Factor		1		1		1	
		Result	Qualifier	Result	Qualifier	Result	Qualifier
1,2,4-Trichlorobenzene	5	2.7	U	2.86	U	2.7	U
1,2-Dichlorobenzene	3	2.7	U	2.86	U	2.7	U
1,3-Dichlorobenzene	3	2.7	U	2.86	U	2.7	U
1,4-Dichlorobenzene	3	2.7	U	2.86	U	2.7	U
2,4,5-Trichlorophenol	NE	2.7	U	2.86	U	2.7	U
2,4,6-Trichlorophenol	NE	2.7	U	2.86	U	2.7	U
2,4-Dichlorophenol	5	2.7	U	2.86	U	2.7	U
2,4-Dimethylphenol	50	2.7	U	2.86	U	2.7	U
2,4-Dinitrophenol	10	2.7	U	2.86	U	2.7	U
2,4-Dinitrotoluene	5	2.7	U	2.86	U	2.7	U
2,6-Dinitrotoluene	5	2.7	U	2.86	U	2.7	U
2-Chloronaphthalene	10	2.7	U	2.86	U	2.7	U
2-Chlorophenol	NE	2.7	U	2.86	U	2.7	U
2-Methylnaphthalene	NE	2.7	U	2.86	U	2.7	U
2-Methylphenol	NE	2.7	U	2.86	U	2.7	U
2-Nitroaniline	5	2.7	U	2.86	U	2.7	U
2-Nitrophenol	NE	2.7	U	2.86	U	2.7	U
3- & 4-Methylphenols	NE	2.7	U	2.86	U	2.7	U
3,3-Dichlorobenzidine	5	2.7	U	2.86	U	2.7	U
3-Nitroaniline	5	2.7	U	2.86	U	2.7	U
4,6-Dinitro-2-methylphenol	NE	2.7	U	2.86	U	2.7	U
4-Bromophenyl phenyl ether	NE	2.7	U	2.86	U	2.7	U
4-Chloro-3-methylphenol	NE	2.7	U	2.86	U	2.7	U
4-Chloroaniline	5	2.7	U	2.86	U	2.7	U
4-Chlorophenyl phenyl ether	NE	2.7	U	2.86	U	2.7	U
4-Nitroaniline	5	2.7	U	2.86	U	2.7	U
4-Nitrophenol	5	2.7	U	2.86	U	2.7	U
Acenaphthene	20	0.054	U	0.13		0.054	U
Acenaphthylene	NE	0.054	U	0.057	U	0.054	U
Anthracene	50	0.054	U	0.057	U	0.054	U
Benzo(a)anthracene	0.002	0.054	U	0.057	U	0.054	U
Benzo(a)pyrene	NE	0.054	U	0.057	U	0.054	U
Benzo(b)fluoranthene	0.002	0.054	U	0.057	U	0.054	U
Benzo(ghi)perylene	NE	0.054	U	0.057	U	0.054	U
Benzo(k)fluoranthene	0.002	0.054	U	0.057	U	0.054	U
Benzoic acid	NE	27	U	28.6	U	27	U
Benzyl alcohol	NE	2.7	U	2.86	U	2.7	U
Benzyl butyl phthalate	NE	2.7	U	2.86	U	2.7	U
Bis(2-chloroethoxy)methane	5	2.7	U	2.86	U	2.7	U
Bis(2-chloroethyl)ether	1	2.7	U	2.86	U	2.7	U
Bis(2-chloroisopropyl)ether	NE	2.7	U	2.86	U	2.7	U
Bis(2-ethylhexyl)phthalate	5	0.54	U	0.97		0.56	
Chrysene	0.002	0.054	U	0.057	U	0.054	U
Dibenzo(a h)anthracene	NE	0.054	U	0.057	U	0.054	U
Dibenzofuran	NE	2.7	U	2.86	U	2.7	U
Diethyl phthalate	50	2.7	U	2.86	U	2.7	U
Dimethyl phthalate	50	2.7	U	2.86	U	2.7	U
Di-n-butyl phthalate	50	2.7	U	2.86	U	2.7	U
Di-n-octyl phthalate	50	2.7	U	2.86	U	2.7	U
Fluoranthene	50	0.054	U	0.057	U	0.054	U
Fluorene	50	0.054	U	0.16		0.054	U
Hexachlorobenzene	0.04	0.022	U	0.023	U	0.022	U
Hexachlorobutadiene	0.5	0.54	U	0.57	U	0.54	U
Hexachlorocyclopentadiene	5	2.7	U	2.86	U	2.7	U
Hexachloroethane	5	0.54	U	0.57	U	0.54	U
Indeno(1 2 3-cd)pyrene	0.002	0.054	U	0.057	U	0.054	U
Isophorone	50	2.7	U	2.86	U	2.7	U
Naphthalene	10	0.054	U	11		0.054	J
Nitrobenzene	0.4	0.27	U	0.29	U	0.27	U
n-Nitroso-di-n-propylamine	NE	2.7	U	2.86	U	2.7	U
n-Nitrosodiphenylamine	50	2.7	U	2.86	U	2.7	U
Pentachlorophenol	1	0.27	U	0.29	U	0.27	U
Phenanthrene	50	0.054	U	0.057	U	0.054	U
Phenol	1	2.7	U	2.86	U	2.7	U
Pyrene	50	0.054	U	0.057	U	0.054	U

Notes:

Regulatory Criteria based on water quality standards and guidance values presented in NYSDEC Division of Water TOGS 1.1.1 (June 1998).

ND = Not Detected ; NE = Not Established

Blue shade indicates detectable concentrations.

Bold and yellow shade indicates exceedance of regulatory criteria

ESI File: WY07054.50

Table 9: Metals in Groundwater

All values in mg/L

TAL Metals	Regulatory Criteria	Sample Identification					
		3MW-1 (10/15/2012)		3MW-2 (10/15/2012)		MW-A (10/15/2012)	
Dilution Factor		1		1		1	
		Result	Qualifier	Result	Qualifier	Result	Qualifier
Aluminum	NE	13		86		213	
Antimony	0.003	5	U	5	U	5	U
Arsenic	0.025	4	U	4	U	4	U
Barium	1	**69**		**128**		**58**	
Beryllium	0.003	1	U	1	U	1	U
Cadmium	0.005	3	U	3	U	3	U
Calcium	NE	82,200		113,000		60,400	
Chromium	0.05	5	U	5	U	5	U
Cobalt	0.005	5	U	5	U	5	U
Copper	2	3	U	3	U	3	U
Iron	500	28		250		190	
Lead	0.025	3	U	3	U	3	
Magnesium	35	**9,740**		**30,800**		**10,800**	
Manganese	500	431		**5,640**		**1,020**	
Mercury	0.0007	0.2	U	0.2	U	0.2	U
Nickel	1	**6**		5	U	5	U
Potassium	NE	5,820		5,850		3,970	
Selenium	0.01	10	U	**13**		10	U
Silver	0.05	5	U	5	U	5	U
Sodium	20	**13,600**		**46,700**		**4,800**	
Thallium	0.005	5	U	5	U	5	U
Vanadium	0.014	10	U	10	U	10	U
Zinc	2	10	U	10	U	10	U

Notes:

Regulatory Criteria based on water quality standards and guidance values presented in NYSDEC Division of Water TOGS 1.1.1 (June 1998).

ND = Not Detected ; NE = Not Established

Blue shade indicates detectable concentrations.

Bold and yellow shade indicates exceedance of regulatory criteria

* = Guidance level for total iron and manganese is 500 mg/L

ESI File: WY07054.50

Table 10: Pesticides and PCBs in Groundwater

All values in µg/L

Pesticides (USEPA Method 8081)	Regulatory Criteria	Sample Identification					
		3MW-1		3MW-2		MW-A	
		08/27/2014		08/27/2014		08/27/2014	
Dilution Factor		1		1		1	
		Result	Qualifier	Result	Qualifier	Result	Qualifier
4,4'-DDD	0.30	0.0043	U	0.0042	U	0.0043	U
4,4'-DDE	0.20	0.0043	U	0.0042	U	0.0043	U
4,4'-DDT	0.20	0.0043	U	0.0042	U	0.0043	U
Aldrin	NE	0.0043	U	0.0042	U	0.0043	U
alpha-BHC	0.01	0.0043	U	0.0042	U	0.0043	U
beta-BHC	0.04	0.0043	U	0.0042	U	0.0043	U
Chlordane	0.05	0.043	U	0.042	U	0.043	U
delta-BHC	0.04	0.0043	U	0.0042	U	0.0043	U
Dieldrin	0.004	0.0022	U	0.0021	U	0.0033	
Endosulfan I	NE	0.0043	U	0.0042	U	0.0043	U
Endosulfan II	NE	0.0043	U	0.0042	U	0.0043	U
Endosulfan sulfate	NE	0.0043	U	0.0042	U	0.0043	U
Endrin	NE	0.0043	U	0.0042	U	0.0043	U
Endrin aldehyde	5	0.011	U	0.011	U	0.011	U
Endrin ketone	NE	0.011	U	0.011	U	0.011	U
gamma-BHC (Lindane)	0.05	0.0043	U	0.0042	U	0.0043	U
Heptachlor	0.04	0.0043	U	0.0042	U	0.0043	U
Heptachlor Epoxide	0.03	0.0043	U	0.0042	U	0.0043	U
Methoxychlor	NE	0.0043	U	0.0042	U	0.0043	U
Toxaphene	0.06	0.11	U	0.11	U	0.11	U
PCBs (USEPA Method 8082)							
Aroclor 1016	100	0.054	U	0.053	U	0.054	U
Aroclor 1221	100	0.054	U	0.053	U	0.054	U
Aroclor 1232	100	0.054	U	0.053	U	0.054	U
Aroclor 1242	100	0.054	U	0.053	U	0.054	U
Aroclor 1248	100	0.054	U	0.053	U	0.054	U
Aroclor 1254	100	0.054	U	0.053	U	0.054	U
Aroclor 1260	100	0.054	U	0.053	U	0.054	U
Aroclor, Total	100	0.054	U	0.053	U	0.054	U

Notes:

Regulatory Criteria based on water quality standards and guidance values presented in NYSDEC Division of Water TOGS 1.1.1 (June 1998).

ND = Not Detected ; NE = Not Established

Blue shade indicates detectable concentrations.

Bold and yellow shade indicates exceedance of regulatory criteria

ESI File: WY07054.50

Ecosystems Strategies, Inc.

Table 11: VOCs in Soil Gas

Results provided in µg/m^3

VOCs (USEPA TO-15 Method)	Guideline	Sample Identification	
		SV-1	
		7/16/2014	
		Result	Qualifier
1,1,1-Trichloroethane	NE	8.35	
1,1,2,2-Tetrachloroethane	NE	1.72	U
1,1,2-Trichloroethane	NE	1.36	U
1,1-Dichloroethane	NE	1.01	U
1,1-Dichloroethylene	NE	1.01	U
1,2,4-Trichlorobenzene	NE	1.86	U
1,2,4-Trimethylbenzene	NE	5.01	
1,2-Dibromoethane	NE	1.92	U
1,2-Dichlorobenzene	NE	1.5	U
1,2-Dichloropropane	NE	1.16	U
1,2-Dichloroethane	NE	1.01	U
1,3,5-Trimethylbenzene	NE	1.73	
1,3-Butadiene	NE	0.553	U
1,3-Dichlorobenzene	NE	1.5	U
1,4-Dichlorobenzene	NE	1.5	U
1,4-Dioxane	NE	0.901	U
2,2,4-Trimethylpentane	NE	10.6	
2-Butanone	NE	4.90	
2-Hexanone	NE	1.02	U
3-Chloropropene	NE	0.783	U
4-Ethyltoulene	NE	2.29	
4-Methyl-2-pentanone	NE	1.02	U
Acetone	NE	7.70	
Benzene	NE	12.6	
Benzyl Chloride	NE	1.29	U
Bromodichloromethane	NE	1.67	U
Bromoform	NE	2.58	U
Bromomethane	NE	0.971	U
Carbon Disulfide	NE	1.39	
Carbon Tetrachloride	NE	1.57	U
Chlorobenzene	NE	1.15	U
Cloroethane	NE	0.660	U
Chloroform	NE	2.22	
Chloromethane	NE	0.516	U
cis-1,2-Dichloroethylene	NE	0.991	U
cis-1,3-Dichloropropene	NE	1.13	U
Cyclohexane	NE	13.5	
Dichlorodifluoromethane	NE	1.59	
Dibromochloromethane	NE	2.13	U
Ehtanol	NE	14.2	
Ethyl Acetate	NE	2.25	U
Ethylbenzene	NE	8.08	
Freon-113	NE	1.92	U
Freon-114	NE	1.75	U
Heptane	NE	18.5	
Hexachlorobutadiene	NE	2.67	U
Isopropanol	NE	1.54	
MTBE	NE	0.901	U
Methylene chloride	60	4.34	U
o-Xylene	NE	7.64	
n-Hexane	NE	37	
Styrene	NE	1.06	U
Tertiary butyl Alcohol	NE	1.89	U
Tetrachloroethylene	100	**549**	
Tetrahydrofuran	NE	1.4	
Toluene	NE	71.2	
trans-1,2-Dichloroethylene	NE	0.991	U
trans-1,3-Dichloropropylene	NE	1.13	U
Trichloroethylene	5	1.34	U
Trichlorofluoromethane	NE	1.41	
Vinyl bromide	NE	1.09	U
Vinyl Chloride	NE	0.639	U

Notes:

Guideline values based on the NYSDOH Guidance for Evaluating Soil Vapor Instrusion in the State of New York, dated October 2006.

U = Not Detected ; NE = Not Established

Blue shade indicates detectable concentrations

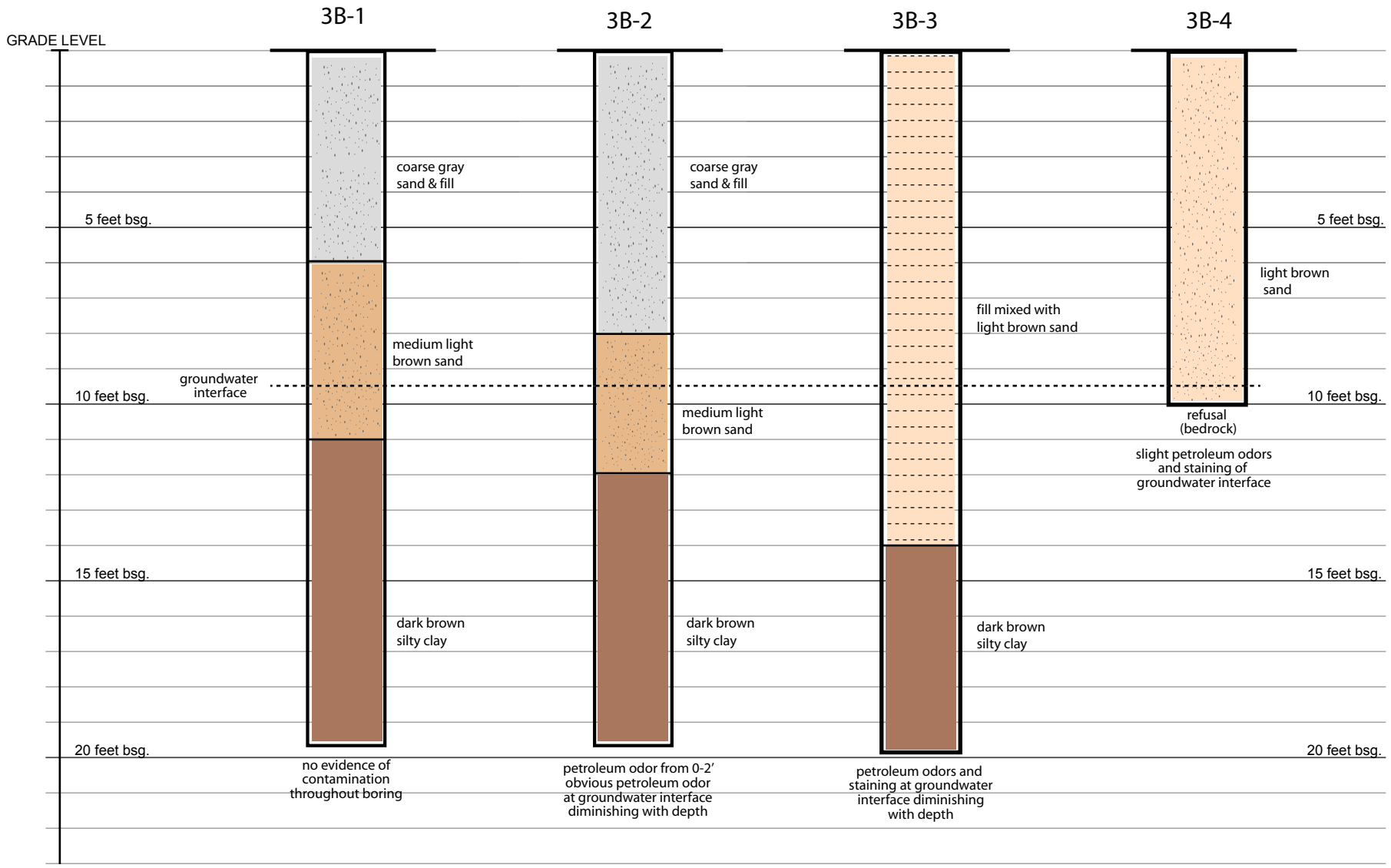
Bold and yellow shade indicates exceedance of regulatory criteria

ESI File: WY07054.50

APPENDIX D

Boring and Well Installation Logs

Ecosystems Strategies, Inc.



Boring Log 3B-1 to 3B-4

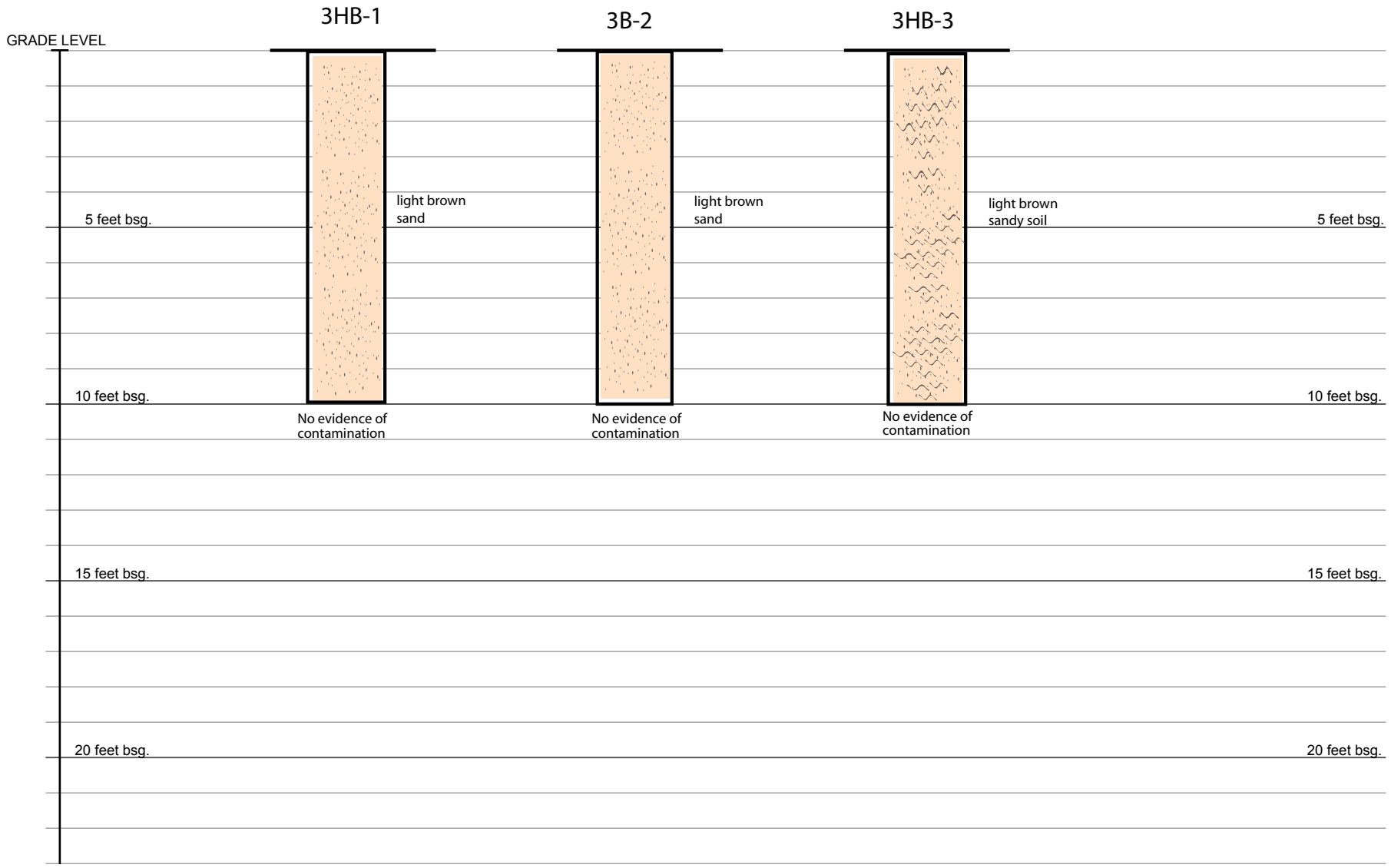
7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054.50

November 2014

Appendix D

Ecosystems Strategies, Inc.



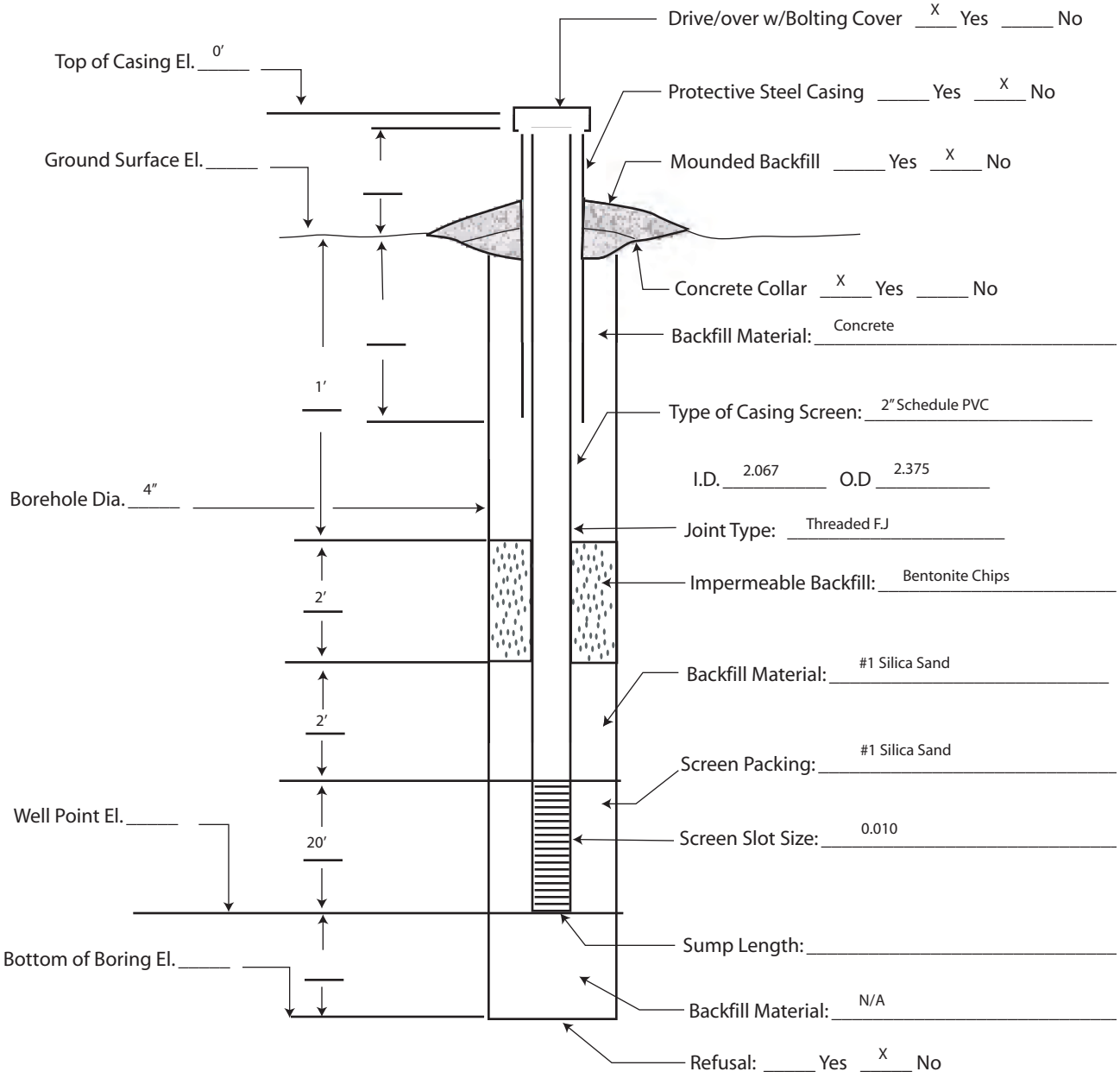
Boring Log 3HB-1 to 3HB-3

7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054.50

November 2014

Appendix D



Materials Used:

Screen (PVC)	Bentonite Pellets	Locking Exp. Plug
Riser (PVC)	Asphalt	Lock
Plug (PVC)	Bentonite Chips	D/O
Slip Cap (PVC)	Concrete Mix	S/U
Silica Sand	Portland	
Powdered Bentonite		

Monitor Well Installation Detail - 3MW-1

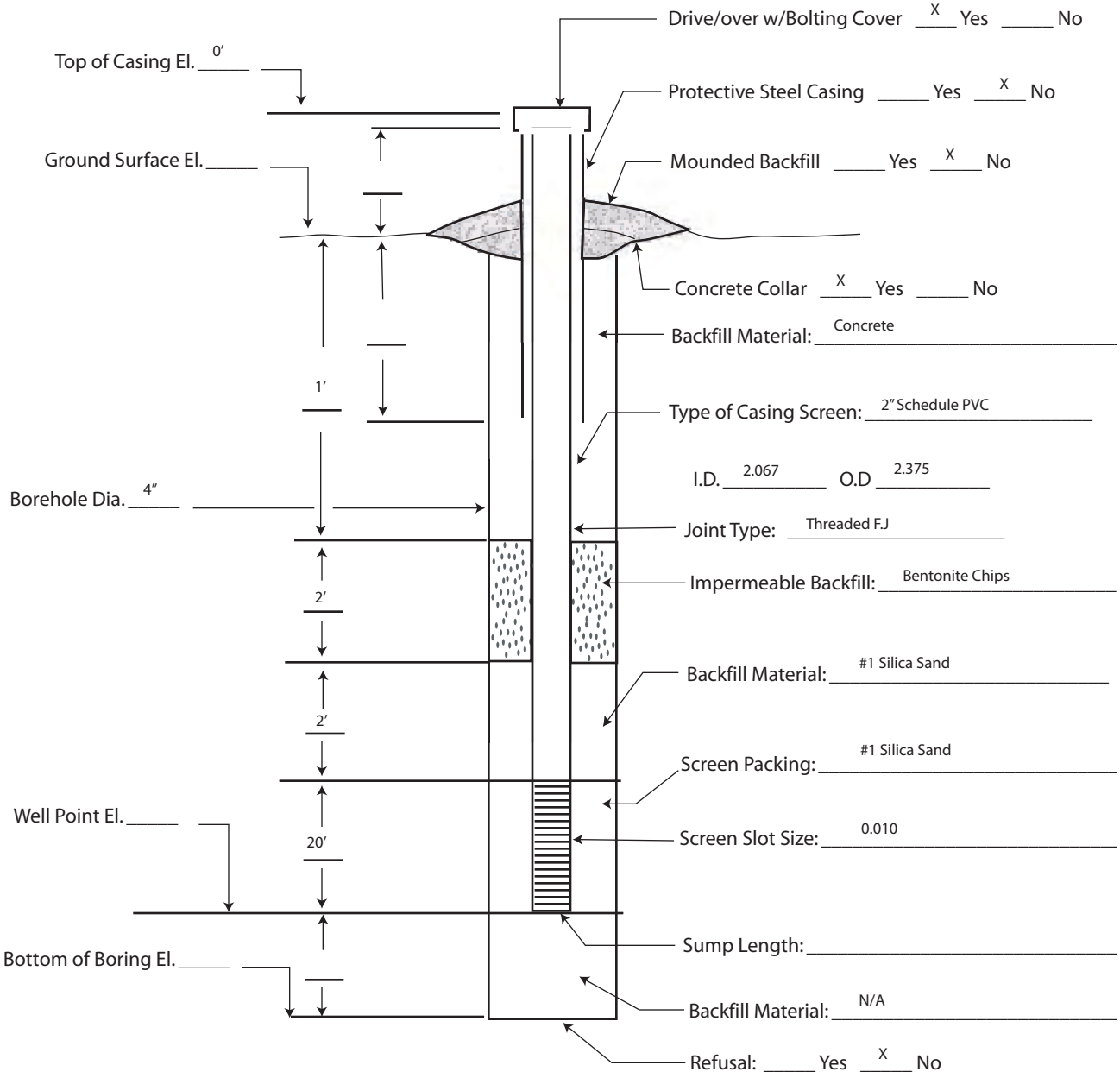
7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054

September 2014

Appendix D

Ecosystems Strategies, Inc.



Materials Used:

Screen (PVC)
Riser (PVC)
Plug (PVC)
Slip Cap (PVC)
Silica Sand
Powdered Bentonite

Bentonite Pellets
Asphalt
Bentonite Chips
Concrete Mix
Portland

Locking Exp. Plug
Lock
D/O
S/U

Monitor Well Installation Detail - 3MW-2

7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054

September 2014

Appendix D

APPENDIX E

Test Pit Photographs

PHOTOGRAPHS



TP-1. Groundwater at 8.5'; bedrock at 12'. No field evidence of contamination.



TP-2. Bedrock at 5'. No field evidence of contamination.

PHOTOGRAPHS



TP-3. Urban fill at northern end of test pit at depths between 3' and 6' from the surface. Groundwater at 8.5'. Petroleum staining and odor at groundwater interface.



TP-4. Groundwater at 8.5'. Total depth 10'. Rocks up to 2' diameter in the Subsurface. Petroleum odor and staining at groundwater interface.

PHOTOGRAPHS



TP-5. Stained soils from 3'-9' with slight petroleum odor. Groundwater at 8.5'. Bedrock at 12'.



TP-6. Urban fill from 0-6'. Groundwater at 9'. Bedrock at 14'.

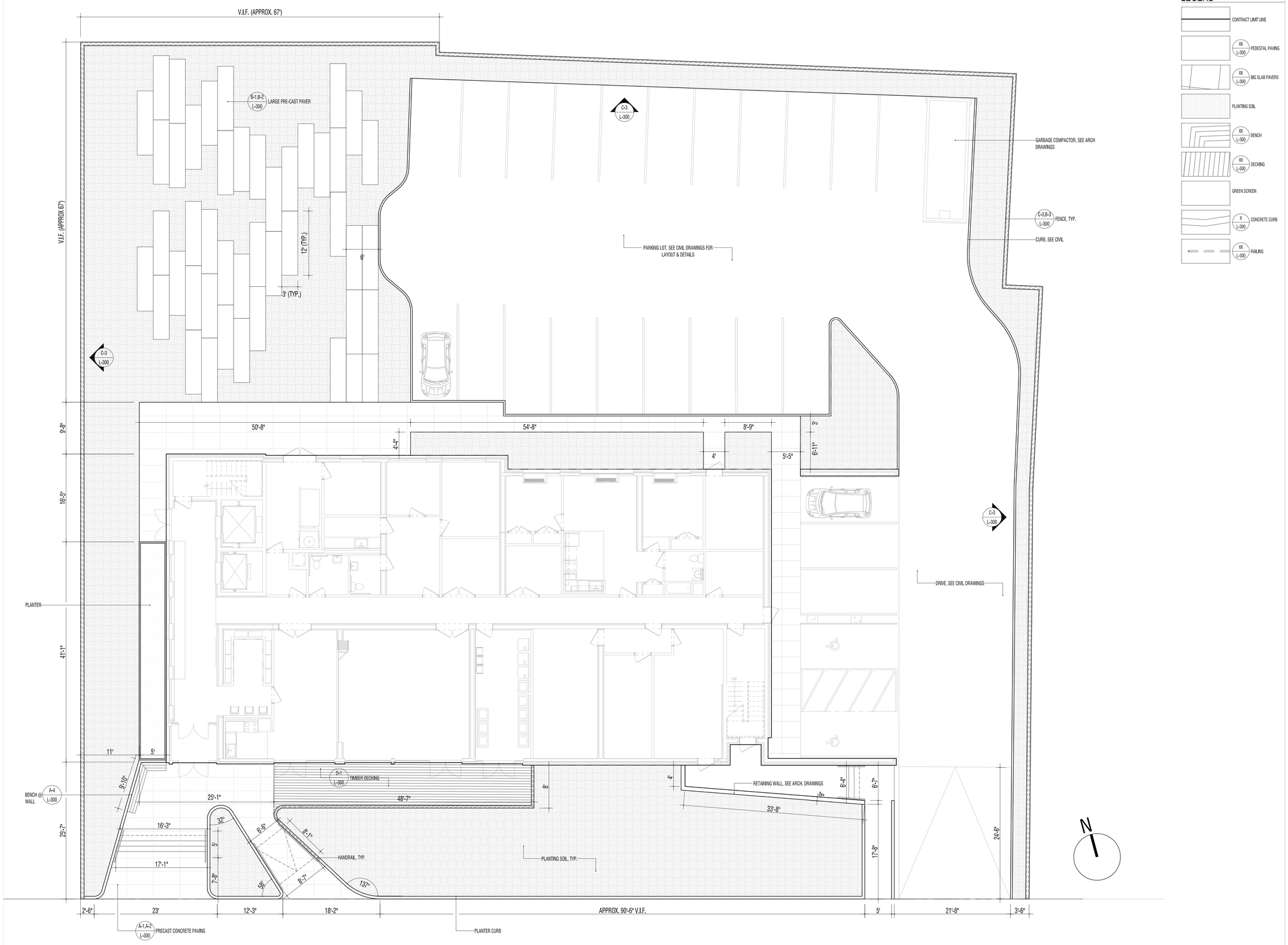
PHOTOGRAPHS



TP-7. Groundwater at 8’. Bedrock at 12’.

APPENDIX F

Site Plans



L U D L O W S T R E E T

LEGEND

- CONTRACT LIMIT LINE
- XX / L-300 — PEDESTAL PAVING
- XX / L-300 — BIG SLAB PAVERS
- PLANTING SOIL
- XX / L-300 — BENCH
- XX / L-300 — DECKING
- GREEN SCREEN
- X / L-300 — CONCRETE CURB
- XX / L-300 — RAILING

Project Title:

LUDLOW COMMONS

7 Ludlow St Yonkers, NY

Clients:

85 Exective Boulevard, Elmsford, NY10523
Tel 914.345.2800 Fax 914.345.3139
www.westhab.org

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4	10-01-13	DOB SUBMISSION
5	10-22-13	PLANNING BOARD SUBMISSION

Revisions:

Architect of Record:

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Drawing Title:

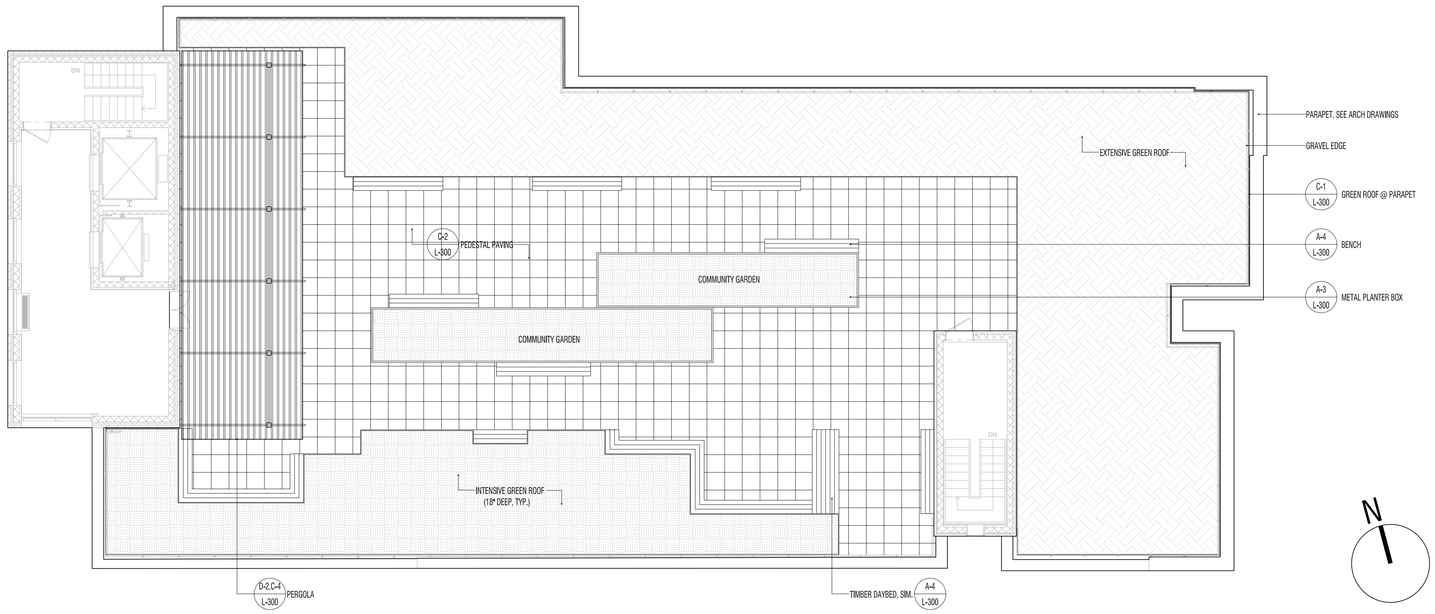
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Drawn By:	SG
Checked By:	ST

Drawing #:

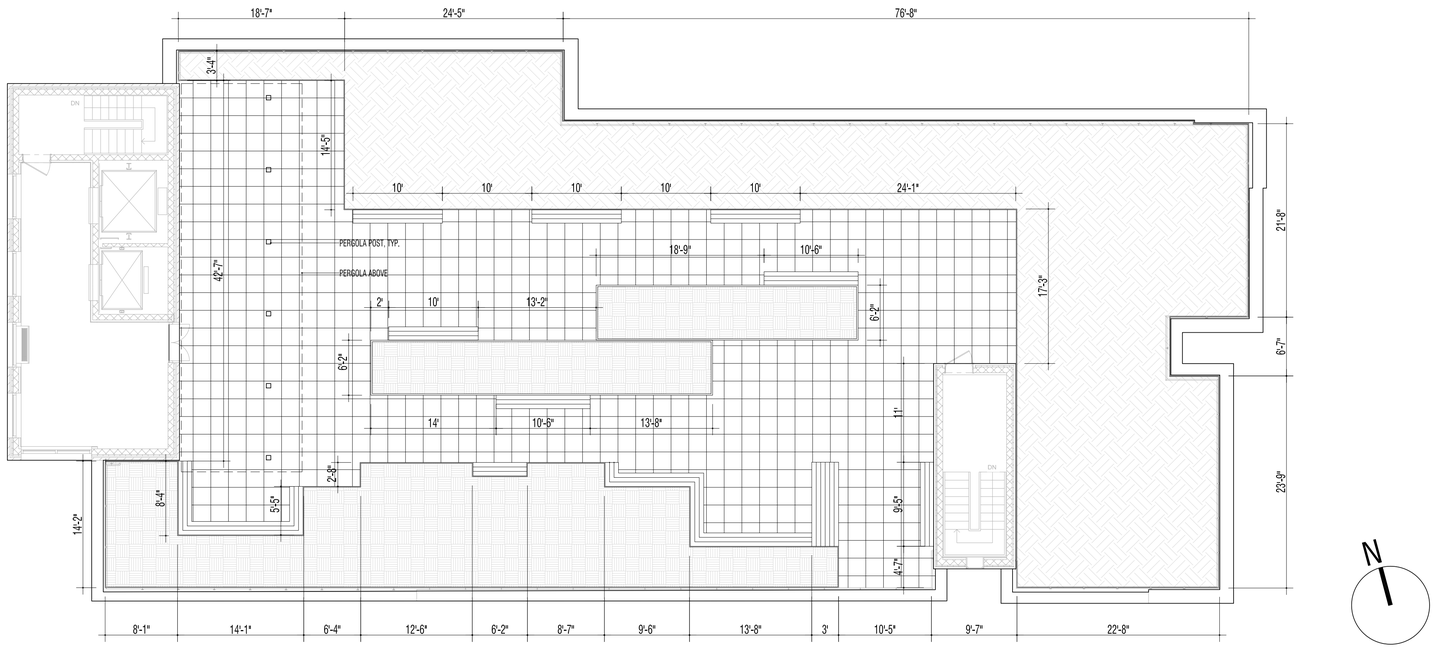
L-100

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01 MATERIALS PLAN

1/8" = 1'-0"



02 LAYOUT PLAN

1/8" = 1'-0"

LEGEND

- CONTRACT LIMIT LINE
- XX L-300 PEDESTAL PAVING
- XX L-300 BIG SLAB PAVERS
- PLANTING SOIL
- XX L-300 BENCH
- XX L-300 DECKING
- GREEN SCREEN
- X L-300 CONCRETE CURB
- XX L-300 RAILING

Project Title:

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7 Ludlow St Yonkers, NY

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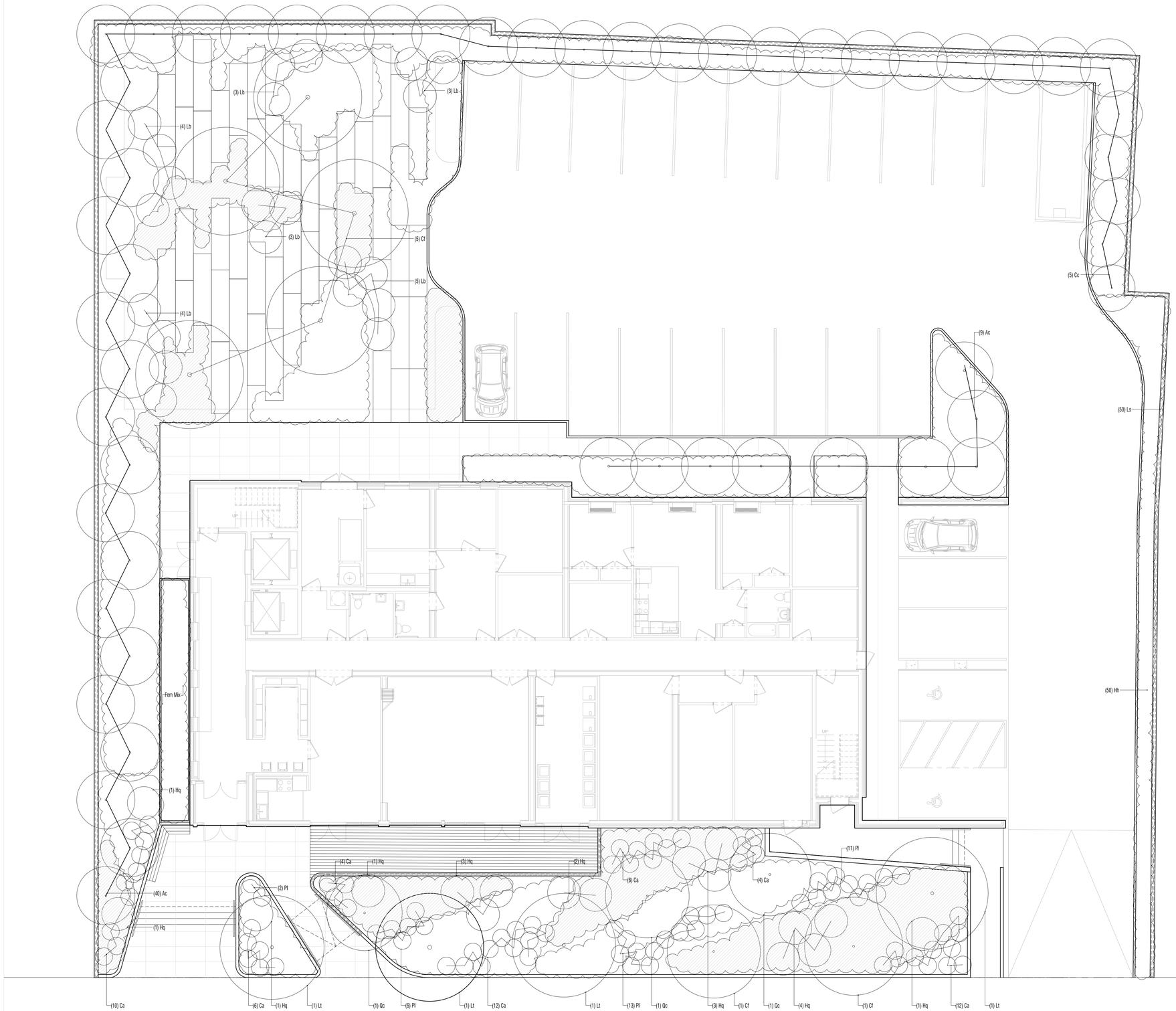


Drawing Title:

Roof Plan Layout & Materials

Project Number:	08021		
Date:	10-23-2013	Drawing #:	L-101
Scale:	1/8" = 1'-0"		
Drawn By:	SG		
Checked By:	ST		

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LEGEND

- CONTRACT LIMIT LINE
- TREE
- SHRUB
- PLANTING MIX A
- PLANTING MIX B

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Seal:



Drawing Title:

Site Plan Planting

Project Number:	08021
Date:	10-23-2013
Scale:	1/8" = 1'-0"
Drawn By:	SG
Checked By:	ST

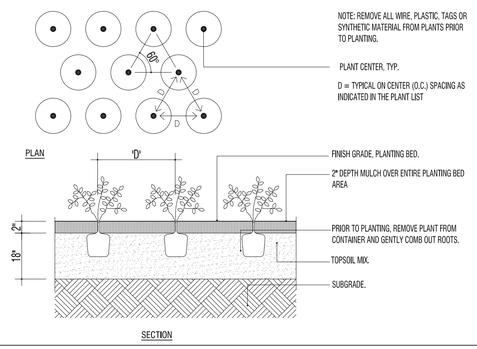
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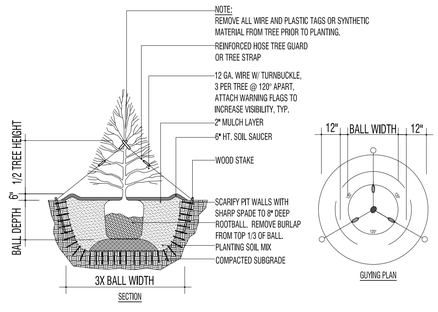
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PLANTING SCHEDULE - Ludlow Commons								
TREES								
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**NOTES**
Ac	Amelanchier canadensis	Downy Serviceberry	48	8'-10' Ht	Cont.	as noted	part sun / sun	LA to select in nursery
Cc	Carpinus caroliniana	American Hornbeam	5	10'-12 Ht	B&B	as noted	part sun / sun	LA to select in nursery
Cf	Cornus florida	Flowering Dogwood	7	10'-12' Ht	B&B	as noted	part sun / sun	LA to select in nursery
Lt	Liriodendron tulipifera	Tulip Poplar	4	12'-14' Ht	B&B	as noted	part sun / sun	LA to select in nursery
Qc	Quercus coccinea	Scarlet Oak	2	12'-14' Ht	B&B	as noted	part sun / sun	LA to select in nursery
SHRUBS								
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**NOTES**
Ca	Clethra alnifolia	Sweet Pepperbush	56	3-4' Ht	Cont.	as noted	part sun / sun	LA to select in nursery
Hq	Hydrangea quercifolia	Oakleaf Hydrangea	15	4-5' Ht	Cont.	as noted	part sun / sun	LA to select in nursery
Lb	Lindera benzoin	Spicebush	18	3-4' Ht	Cont.	as noted	part sun / sun	LA to select in nursery
Pl	Prunus laurocerasus	Cherry Laurel	32	3-4' Ht	Cont.	as noted	part sun / sun	LA to select in nursery
VINES								
Lv	Lonicera sempervirens	Coral Honeysuckle	50	1 Gal	Cont.	30" OC		Plant along mesh fence
Hh	Hedera helix 'Caenwoodiana'	Bird's Foot Ivy	50	1 Gal	Pot	24" OC	part-full shade	Plant along mesh fence
FERN MIX								
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**NOTES**
Di	Dryopteris intermedia	Intermediate Wood Fern	60	1 Gal	Cont.	15" OC	part sun/shade	
Ms	Matteuccia struthiopteris	Ostrich Fern	15	1 Gal	Cont.	15" OC	part sun/shade	
Pa	Polystichum acrostichoides	Christmas Fern	40	1 Gal	Cont.	15" OC	part sun/shade	
PLANTING MIX A								
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**NOTES**
Pv	Panicum virgatum	Switchgrass	600	2 Gal	Cont.	15" OC	part sun / sun	
Av	Andropogon virginicus	Broomsedge Bluestem	500	1 Gal	Cont.	15" OC	part sun / sun	
Cd	Carex divulsa	Grassland Sedge	500	1 Gal	Cont.	12" OC	part sun / sun	
Fg	Festuca glauca (small cultivar)	Blue Fescue	100	2 Gal	Cont.	15" OC	part sun / sun	
PLANTING MIX B								
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**NOTES**
Pp	Pachysandra procumbens	Native Pachysandra	3500	1 Qt.	Cont.	8" OC	part sun / sun	
Sh	Sarcococca hookeriana 'Dignya'	Christmas sweetbox	100	2 Gal	Cont.	15" OC	part sun / sun	
Ti	Tiarella cordifolia	Foamflower	300	2 Gal	Cont.	12" OC	part sun / sun	

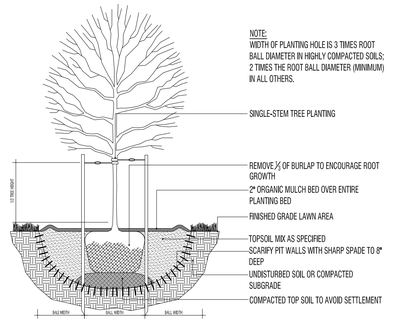
C-2 PLANTING SCHEDULE
NTS



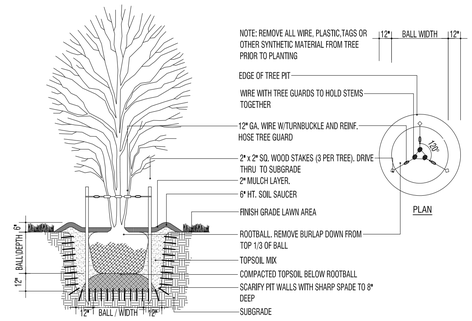
C-1 PERRENIAL PLANTING
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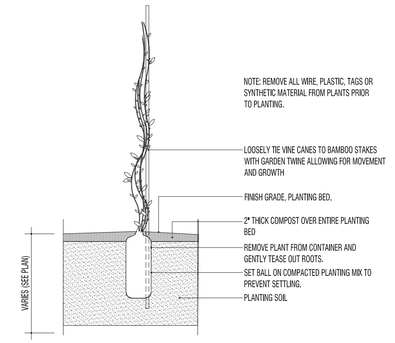
B-1 EVERGREEN TREE PLANTING
1/4"=1'-0"



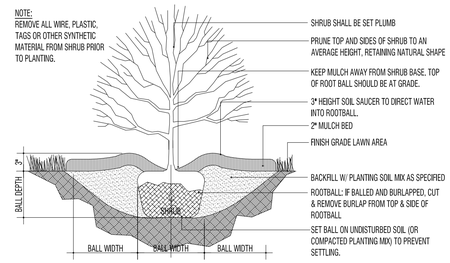
A-1 DECIDUOUS TREE SINGLE STEM PLANTING
1/4"=1'



A-4 MULTI-STEM TREE PLANTING
1/4"=1'-0"



A-3 VINE PLANTING
1"=1'-0"



A-2 SHRUB PLANTING
1"=1'-0"

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7 Ludlow St Yonkers, NY

Clients:

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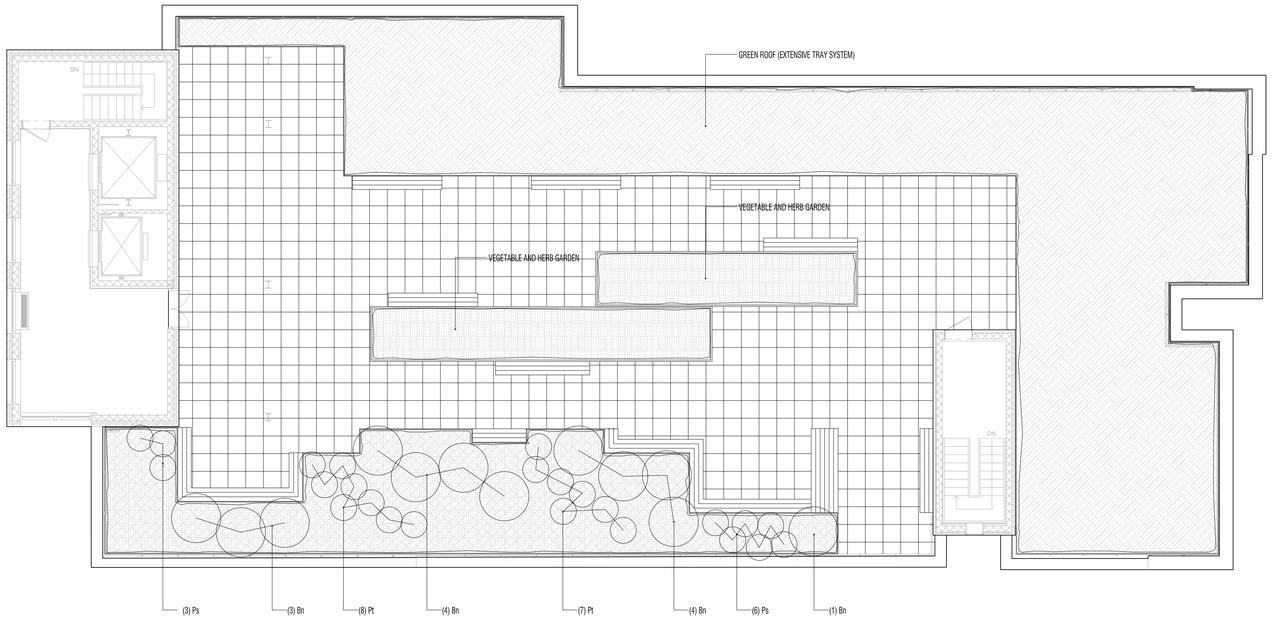


Drawing Title:

PLANTING SCHEDULE & DETAILS

Project Number:	08021		
Date:	10-21-13	Drawing #:	L-201
Scale:	VARIES		
Drawn By:	SG		
Checked By:	ST		

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LEGEND

CONTRACT LIMIT LINE

TREE

SHRUB

EXTENSIVE GREEN ROOF

INTESIVE GREEN ROOF

VEGETABLE GARDEN

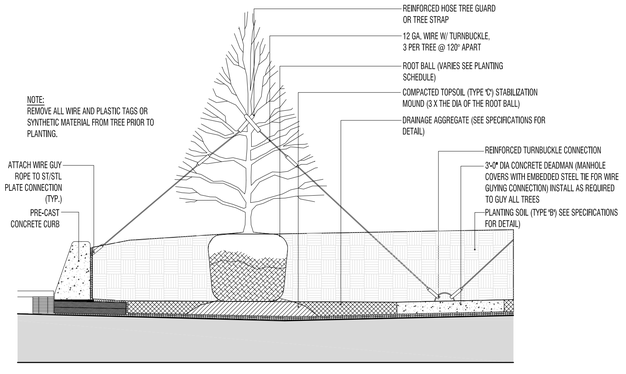
C-2 ROOF PLANTING PLAN

1/8" = 1'-0"

GREEN ROOF PLANTING SCHEDULE - Ludlow Commons									
TREES & SHRUBS									
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**FN SZ/HT**	**NOTES**
Bn	Betula nigra	River Birch	12	6-8' Ht	cont.	as noted	sun/ free draining	12'-14'	Match specimens
Ps	Pinus sylvestris	Scots Pine	9	4-6' Ht	cont.	as noted	sun/ free draining	8'-10'	Match specimens
Pt	Pinus thunbergii	Thunderhead Pine	15	4-6' Ht	cont.	as noted	sun/ free draining	8'-10'	Match specimens
INTENSIVE GREEN ROOF									
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**FN SZ/HT**	**NOTES**
Cp	Carex pennsylvanica	Pennsylvanica sedge	100	1 GAL	cont.	16" OC	sun/ free draining	6"-24" Ht	Match specimens
Df	Deschampsia flexuosa	Common hairgrass	80	1 GAL	cont.	24" OC	sun/ free draining	24"-36" Ht	Match specimens
Es	Eragrostis spectibilis	Purple lovegrass	35	1 GAL	cont.	18" OC	sun/ free draining	18"-24" Ht	Match specimens
Fe	Festuca 'Elijah Blue'	Blue fescue	50	1 GAL	cont.	10" OC	sun/ free draining	3'-6'	Match specimens
Pv	Panicum virgatum	Switchgrass	80	1 GAL	cont.	15" O.C.	sun/ free draining	24"-36" Ht	Match specimens
Sc	Sesleria caerula	Blue Moor Grass	50	1 GAL	cont.	9" OC	sun/ free draining	6"-12" Ht	Match specimens
Ss	Schizachyrium scoparium	Little bluestem	100	1 GAL	cont.	24" OC	sun/ free draining	24"-36" Ht	Match specimens
EXTENSIVE GREEN ROOF									
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**FN SZ/HT**	**NOTES**
Sg	Sedum spurium 'summer glory'	summer glory stonecrop	700	plug		6" OC	sun/ free draining	4"-6" Ht	Match specimens
Sm	Sedum middendorffiana var. diffusum		700	plug		6" OC	sun/ free draining	4"-6" Ht	Match specimens
Sma	Sedum 'matrona'	Showy Stonecrop	44	1 Gal	cont.	15" OC	sun/ free draining	4"-6" Ht	Match specimens
Ss	Sedum sexangulare	watchchain stonecrop	700	plug		6" OC	sun/ free draining	4"-6" Ht	Match specimens
Ssp	Sedum spectabile	Showy Stonecrop	44	1 Gal	cont.	15" OC	sun/ free draining	4"-6" Ht	Match specimens
St	Sedum ternantum	Sedum	700	plug		12" OC	sun/ free draining	12" Ht	Match specimens
Stel	Sedum telephenoidies	Sedum	700	plug		12" OC	sun/ free draining	12" Ht	Match specimens
Sv	Sedum spurium 'voodoo'	voodoo stonecrop	700	plug		6" OC	sun/ free draining	4"-6" Ht	Match specimens
VEGETABLES & HERBS									
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**FN SZ/HT**	**NOTES**
Ca	Capsicum annuum	Bell Pepper	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Cp	Cucurbita pepo	Zucchini	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Dc	Daucus carota	Carrot	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Lo	Lathyrus odoratus	Sweet Pea	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Lt	Latuca sativa	Lettuce	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Ov	Origanum vulgare	Oregano	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Pv	Phaseolus vulgaris	String Bean	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Ro	Rosmarinus officinalis	Rosemary	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Sl	Solanum lycopsicum	Vine Tomato	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Tv	Thymus vulgaris	Thyme	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	

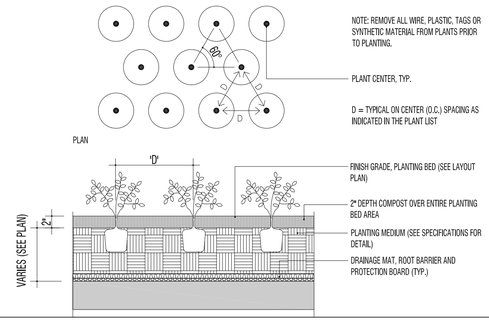
C-1 ROOF PLANTING SCHEDULE

NTS



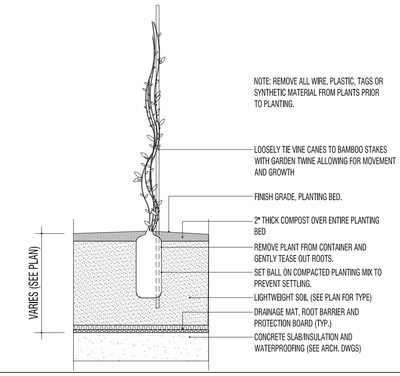
B-1 EVERGREEN SHRUB ON STRUCTURE

1/2"=1'-0"



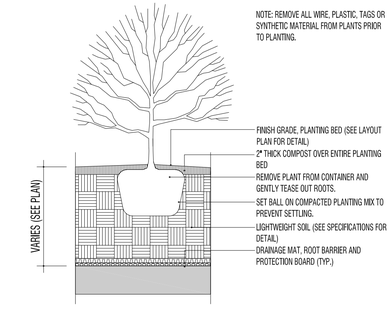
A-4 PERENNIALS ON STRUCTURE

1"=1'-0"



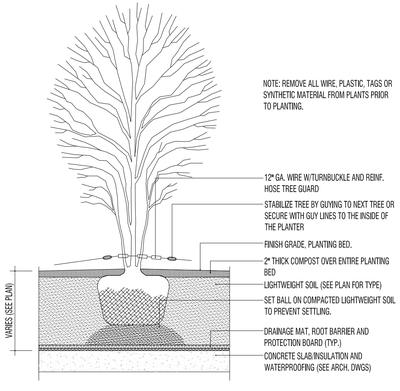
A-3 VINES ON STRUCTURE

1"=1'-0"



A-2 DECIDUOUS TREE ON STRUCTURE

1"=1'-0"



A-1 DECIDUOUS TREE ON STRUCTURE

3/4"=1'-0"

Project Title:

LUDLOW COMMONS

7 Ludlow St Yonkers, NY

Clients:

85 Exective Boulevard, Elmsford, NY10523
Tel 914.345.2800 Fax 914.345.3139
www.westhab.org

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Issued:

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3	02-28-13	HUD SUBMISSION
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5	10-22-13	PLANNING BOARD SUBMISSION

Revisions:

Architect of Record:

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Drawing Title:

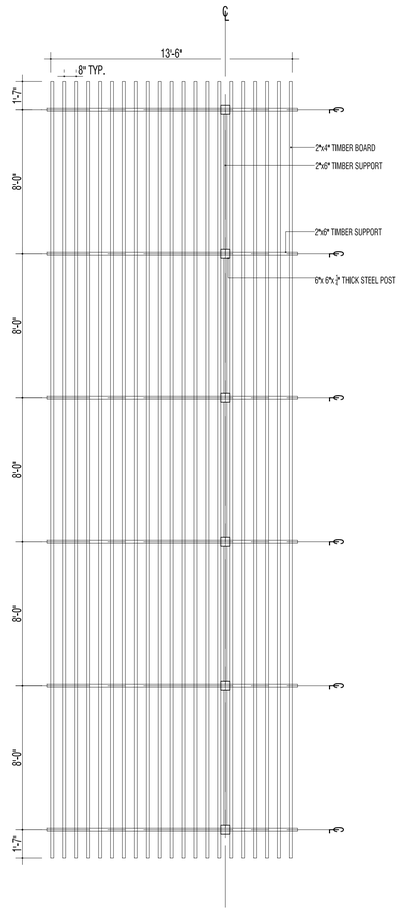
ROOF PLANTING PLAN & DETAILS

Project Number:	08021
Date:	10-21-13
Scale:	VARIES
Drawn By:	SG
Checked By:	ST

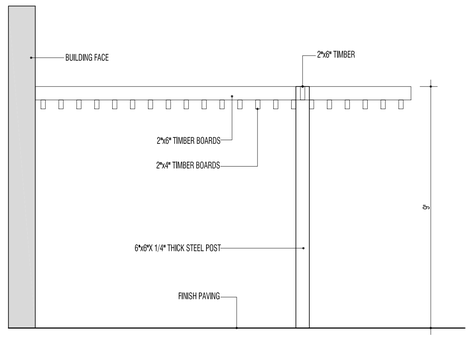
Drawing #:

L-202

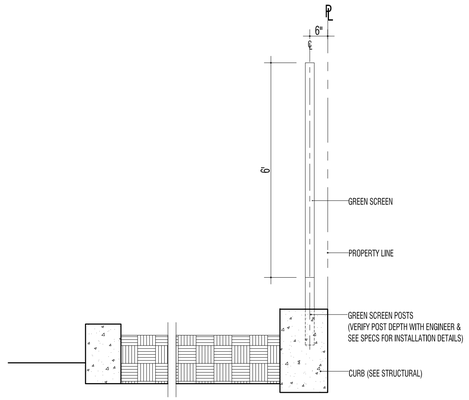
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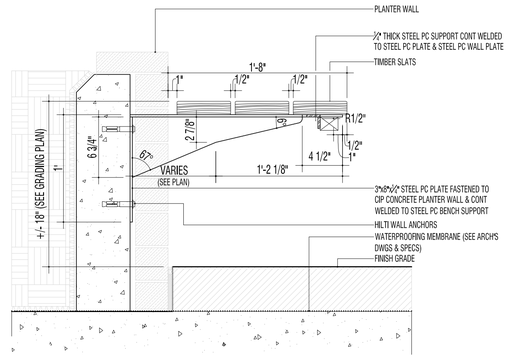
C-4 PERGOLA SECTION
3/8"=1'-0"

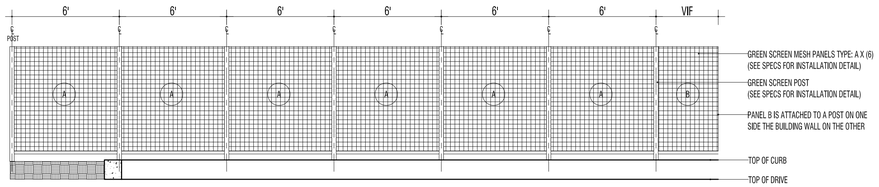


B-3 FENCE SECTION
1/2"=1'-0"

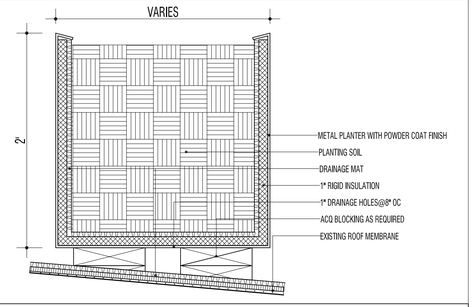


A-4 BENCH @ WALL
1-1/2"=1'-0"



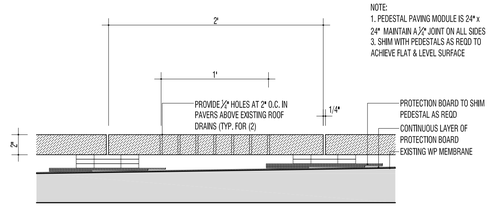


C-3 TYPICAL FENCE ELEVATION
1/4"=1'-0"

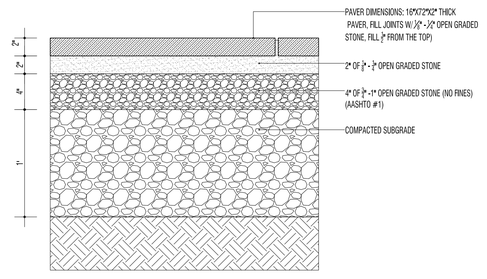


A-3 METAL PLANTER
1-1/2"=1'-0"

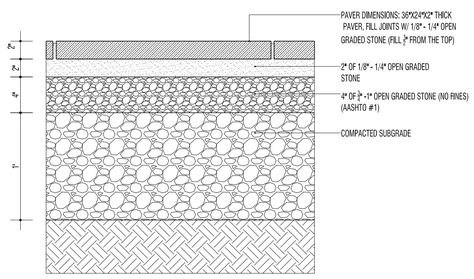
D-2 PERGOLA PLAN
1/4"=1'-0"



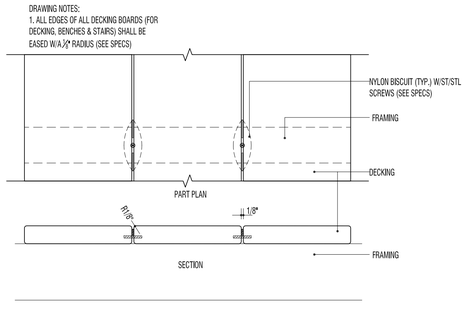
C-2 PEDESTAL PAVING
1-1/2"=1'-0"



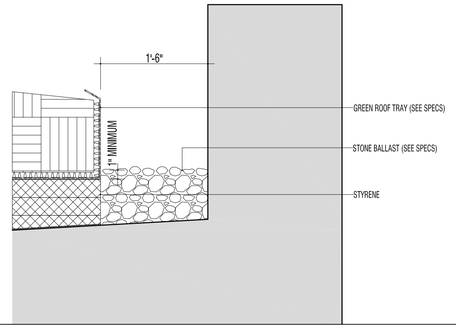
B-2 LARGE PRECAST PAVER SECTION
1-1/2"=1'-0"



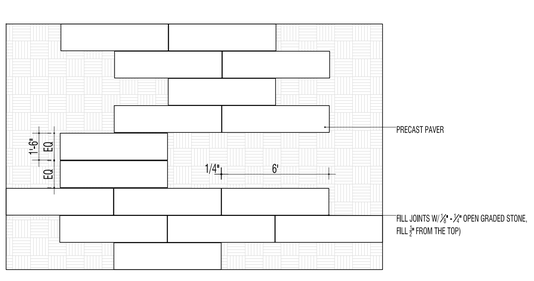
A-2 PRECAST PAVER SECTION
1-1/2"=1'-0"



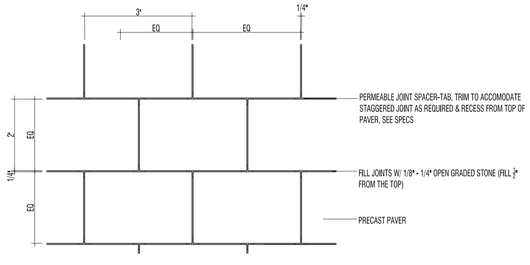
D-1 DECKING CONNECTIONS
1-1/2"=1'-0"



C-1 STONE BALLAST @ GREEN ROOF
1-1/2"=1'-0"



B-1 LARGE PRECAST PAVER PLAN
1/4"=1'-0"



A-1 PRECAST PAVER PLAN
1/2"=1'-0"

Project Title:

LUDLOW COMMONS

7 Ludlow St Yonkers, NY

Clients:

85 Exective Boulevard, Elmsford, NY10523
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www.westhab.org

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Revisions:

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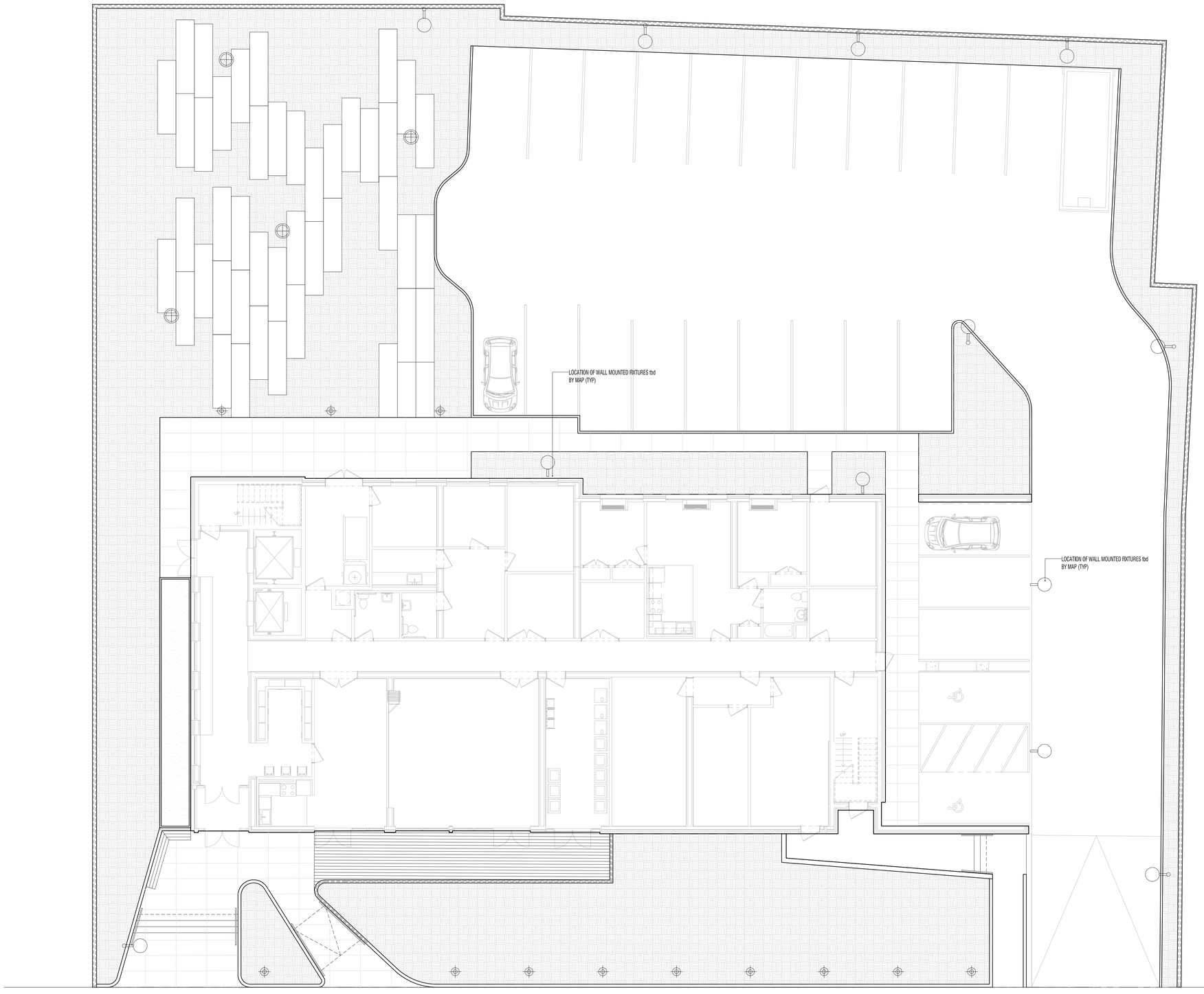
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LANDSCAPE DETAILS

Project Number:	08021
Date:	10-22-12
Scale:	VARIES
Drawn By:	SG
Checked By:	ST

Drawing #: L-300

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L-400 LIGHTING/IRRIGATION PLAN

LEGEND

FIXTURE TYPE: 'A' LP ICON MINI POST

FIXTURE TYPE: 'B' LP ICON MINI WALL MOUNT

FIXTURE TYPE: 'C' BOLLARD-200X

FIXTURE TYPE: 'D' BOLLARD-703.2800

FIXTURE TYPE: 'E' STEP LIGHT

FIXTURE TYPE: 'F' BENCH LED STRIP LIGHT

Project Title:

LUDLOW COMMONS

7 Ludlow St Yonkers, NY

Clients:

85 Exective Boulevard, Elmsford, NY10523
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Filing Representative:

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Drawing Title:

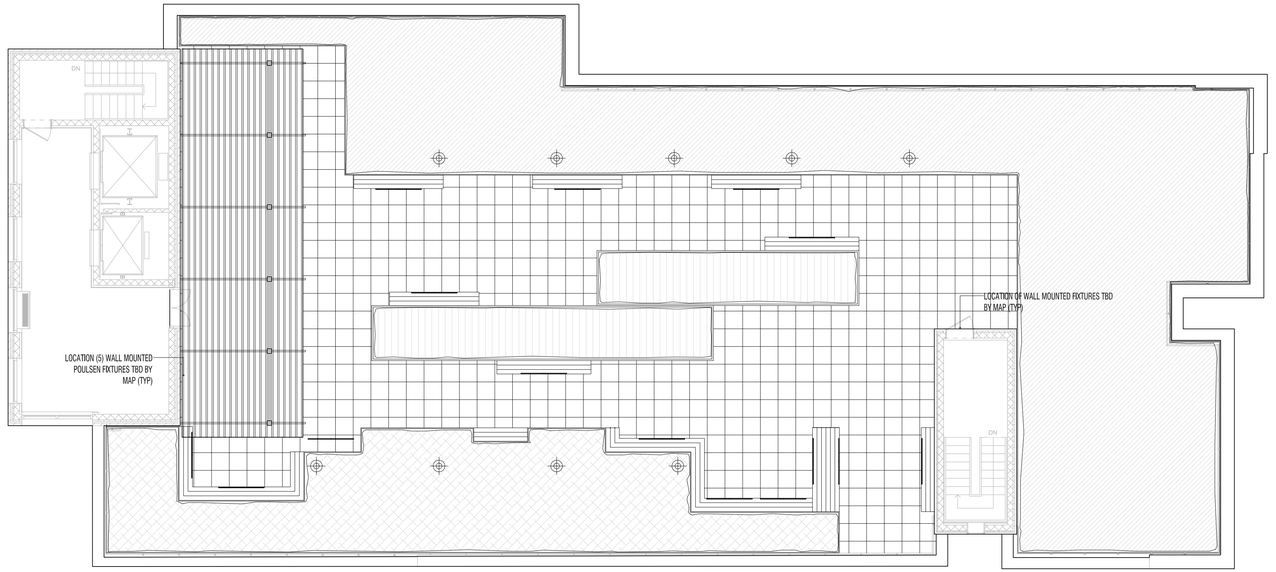
Site Lighting Plan

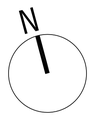
Project Number:	08021
Date:	10-23-2013
Scale:	1/8" = 1'-0"
Drawn By:	SG
Checked By:	ST

Drawing #:

L-400

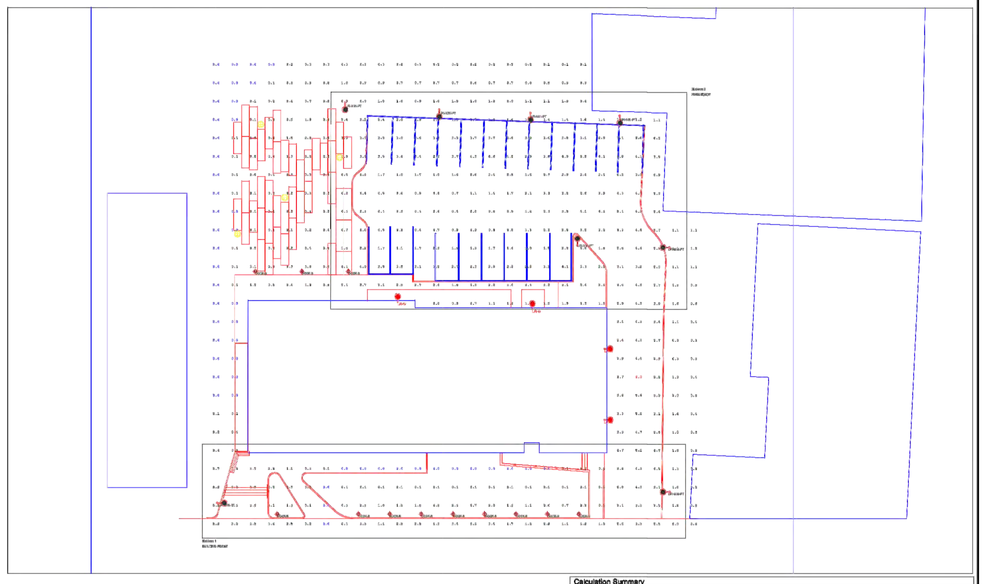
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TARGETTI POULSEN

PROJECT NAME: Ludlow Commons	REPORT NUMBER: AGI1606	BY: LP	Date: 10/22/13



Calculation Summary										
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	PtSpcLr	PtSpcTb
Object_Top	Illuminance	Fc	1.89	6.0	0.0	N.A.	N.A.	7	7
StatArea 1	Illuminance	Fc	1.45	5.2	0.0	N.A.	N.A.		
StatArea 2	Illuminance	Fc	2.25	5.2	0.2	11.26	26.00		

Luminaire Schedule

Description	Symbol	Label	Qty	Lum. Watts	Total Lamp Lumens	Lum. Lumens	LLF	MH
LPI-MIN-PT/ LED 57W/NAT PAINT ALUM/T3/BASIC/SRA/HSS		LPI-MIN-PT	8	54	4765	4763	0.850	14.0'
DOCK-B/1-26W-GX24Q-3/NAT PAINT ALU		DOCK-B	12	26	1800	499	0.720	0.0'
LPI-W/ LED 57W/NAT PAINT ALUM/T3/BASIC		LPI-W	4	54	4765	4763	0.850	14.0'

LEGEND

FIXTURE TYPE: 'A' LP ICON MINI POST

FIXTURE TYPE: 'B' LP ICON MINI WALL MOUNT

FIXTURE TYPE: 'C' BOLLARD -DOCK

FIXTURE TYPE: 'D' BOLLARD -TOLDBOD

FIXTURE TYPE: 'E' STEP LIGHT

FIXTURE TYPE: 'P' BENCH LED STRIP LIGHT



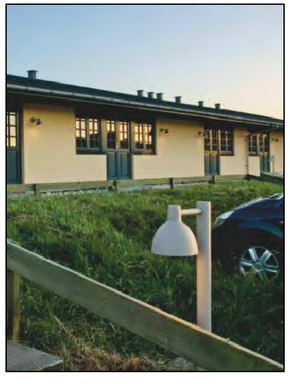
FIXTURE TYPE: 'E' STEP LIGHT



FIXTURE TYPE: 'B' LP ICON MINI WALL MOUNT



FIXTURE TYPE: 'A' LP ICON MINI POST



FIXTURE TYPE: 'D' BOLLARD -TOLDBOD



FIXTURE TYPE: 'C' BOLLARD -DOCK

Project Title:

LUDLOW COMMONS

7 Ludlow St Yonkers, NY

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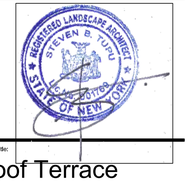
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Seal:



Drawing Title:

Roof Terrace Lighting Plan

Project Number:	08021		
Date:	10-23-2013	Drawing #:	L-401
Scale:	1/8" = 1'-0"		
Drawn By:	SG		
Checked By:	ST		

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APPENDIX G

Laboratory Reports

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Report Date: 06/23/2014
Client Project ID: WY07054.50
York Project (SDG) No.: 14F0505

Report Date: 06/23/2014
Client Project ID: WY07054.50
York Project (SDG) No.: 14F0505

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

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 June 12, 2014 and listed below. The project was identified as your project: **WY07054.50**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14F0505-01	TP-1 0-2''	Soil	06/10/2014	06/12/2014
14F0505-02	TP-1 8.5'	Soil	06/10/2014	06/12/2014
14F0505-03	TP-2 0-2''	Soil	06/10/2014	06/12/2014
14F0505-04	TP-2 5'	Soil	06/10/2014	06/12/2014
14F0505-05	TP-3 0-2''	Soil	06/10/2014	06/12/2014
14F0505-06	TP-3 8.5'	Soil	06/10/2014	06/12/2014
14F0505-07	TP-4 0-2''	Soil	06/10/2014	06/12/2014
14F0505-08	TP-4 8.5'	Soil	06/10/2014	06/12/2014
14F0505-09	TP-5 0-2''	Soil	06/10/2014	06/12/2014
14F0505-10	TP-5 5'	Soil	06/10/2014	06/12/2014
14F0505-11	TP-6 0-2''	Soil	06/10/2014	06/12/2014
14F0505-12	TP-6 4'	Soil	06/10/2014	06/12/2014
14F0505-13	TP-7 0-2''	Soil	06/10/2014	06/12/2014
14F0505-14	TP-7 8'	Soil	06/10/2014	06/12/2014

General Notes for York Project (SDG) No.: 14F0505

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 06/23/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: TP-1 0-2''

York Sample ID: 14F0505-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
78-93-3	2-Butanone	ND		ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
591-78-6	2-Hexanone	ND		ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
67-64-1	Acetone	ND		ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
71-43-2	Benzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
75-25-2	Bromoform	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
74-83-9	Bromomethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
75-00-3	Chloroethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
67-66-3	Chloroform	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
74-87-3	Chloromethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
75-09-2	**Methylene chloride**	**12**	J	ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
91-20-3	Naphthalene	ND		ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS

Sample Information

Client Sample ID: TP-1 0-2''

York Sample ID: 14F0505-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
95-47-6	o-Xylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
100-42-5	Styrene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
108-88-3	Toluene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.0	54	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:16	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*98.5 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.9 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*93.8 %*	*90-112*

Semi-Volatiles, EPA TCL 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	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
120-12-7	Anthracene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
65-85-0	Benzoic acid	ND		ug/kg dry	195	569	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR

Sample Information

Client Sample ID: TP-1 0-2''

York Sample ID: 14F0505-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
218-01-9	Chrysene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	285	569	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	285	569	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
206-44-0	Fluoranthene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
86-73-7	Fluorene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
78-59-1	Isophorone	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
91-20-3	Naphthalene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR

Sample Information

Client Sample ID: TP-1 0-2''

York Sample ID: 14F0505-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	143	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
85-01-8	Phenanthrene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
108-95-2	Phenol	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
129-00-0	Pyrene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	71.7	285	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:13	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*39.1 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*48.7 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*40.6 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*54.8 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*52.3 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*55.4 %*	*10-137*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5090**		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-36-0	**Antimony**	**0.675**		mg/kg dry	0.569	0.569	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-38-2	**Arsenic**	**2.63**		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-39-3	**Barium**	**59.6**		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.114	0.114	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.342	0.342	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-70-2	**Calcium**	**41800**		mg/kg dry	0.569	5.69	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-47-3	**Chromium**	**6.06**		mg/kg dry	0.569	0.569	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-48-4	**Cobalt**	**2.91**		mg/kg dry	0.569	0.569	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-50-8	**Copper**	**17.4**		mg/kg dry	0.569	0.569	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7439-89-6	**Iron**	**6450**		mg/kg dry	2.28	2.28	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7439-92-1	**Lead**	**63.9**		mg/kg dry	0.342	0.342	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7439-95-4	**Magnesium**	**2160**		mg/kg dry	5.69	5.69	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7439-96-5	**Manganese**	**124**		mg/kg dry	0.569	0.569	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-02-0	**Nickel**	**9.94**		mg/kg dry	0.569	0.569	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-09-7	**Potassium**	**831**		mg/kg dry	5.69	5.69	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7782-49-2	Selenium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-22-4	Silver	ND		mg/kg dry	0.569	0.569	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW

Sample Information

Client Sample ID: TP-1 0-2'' **York Sample ID:** 14F0505-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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
7440-23-5	**Sodium**	**138**		mg/kg dry	11.4	11.4	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-28-0	Thallium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-62-2	**Vanadium**	**9.49**		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW
7440-66-6	**Zinc**	**69.3**		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:18	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

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	0.0376	0.0376	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

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**	**87.8**		%	0.100	0.100	1	SM 2540G	06/17/2014 12:47	06/17/2014 16:15	KK

Sample Information

Client Sample ID: TP-1 8.5' **York Sample ID:** 14F0505-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	8.5	34	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	8.5	34	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS

Sample Information

Client Sample ID: **TP-1 8.5'** **York Sample ID:** **14F0505-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
78-93-3	2-Butanone	ND		ug/kg dry	8.5	34	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
591-78-6	2-Hexanone	ND		ug/kg dry	8.5	34	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
67-64-1	**Acetone**	**24**	CCV-E, J, B	ug/kg dry	8.5	34	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
71-43-2	Benzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
75-25-2	Bromoform	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
74-83-9	Bromomethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
75-00-3	Chloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
67-66-3	Chloroform	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
74-87-3	Chloromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
75-09-2	**Methylene chloride**	**9.3**	J	ug/kg dry	8.5	34	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
91-20-3	Naphthalene	ND		ug/kg dry	8.5	34	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
95-47-6	o-Xylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	8.5	34	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
100-42-5	Styrene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
108-88-3	Toluene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS

Sample Information

Client Sample ID: TP-1 8.5' **York Sample ID:** 14F0505-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
75-01-4	Vinyl Chloride	ND		ug/kg dry	8.5	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.5	51	1	EPA 8260C	06/16/2014 08:12	06/16/2014 15:51	SS
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.1 %*		*67-130*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.5 %*		*75-127*							
2037-26-5	*Surrogate: Toluene-d8*	*92.6 %*		*90-112*							

Semi-Volatiles, EPA TCL 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	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
120-12-7	Anthracene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
65-85-0	Benzoic acid	ND		ug/kg dry	131	382	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
218-01-9	Chrysene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	191	381	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR

Sample Information

Client Sample ID: TP-1 8.5' **York Sample ID:** 14F0505-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	191	382	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
206-44-0	Fluoranthene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
86-73-7	Fluorene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
78-59-1	Isophorone	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
91-20-3	Naphthalene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	96.2	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
85-01-8	Phenanthrene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
108-95-2	Phenol	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
129-00-0	Pyrene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 17:00	06/16/2014 12:35	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*55.1 %*	*10-105*

Sample Information

Client Sample ID: TP-1 8.5'

York Sample ID: 14F0505-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
4165-62-2	*Surrogate: Phenol-d5*	*43.7 %*			*10-118*						
4165-60-0	*Surrogate: Nitrobenzene-d5*	*62.4 %*			*10-140*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*48.8 %*			*10-126*						
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*61.7 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*50.4 %*			*10-137*						

Pesticides/PCBs, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	95.6	95.6	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.45	9.45	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
72-20-8	Endrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.56	7.56	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
309-00-2	Aldrin	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.89	1.89	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 15:53	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	19.5	19.5	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 10:30	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	19.5	19.5	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 10:30	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	19.5	19.5	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 10:30	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	19.5	19.5	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 10:30	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	19.5	19.5	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 10:30	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	19.5	19.5	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 10:30	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	19.5	19.5	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 10:30	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	7.79	19.5	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 10:30	JW

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **TP-1 8.5'** **York Sample ID:** **14F0505-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Pesticides/PCBs, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*85.0 %*			*30-140*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*84.8 %*			*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**	**3350**		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-36-0	Antimony	ND		mg/kg dry	0.572	0.572	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-38-2	**Arsenic**	**1.19**		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-39-3	**Barium**	**25.3**		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.114	0.114	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.343	0.343	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-70-2	**Calcium**	**1620**		mg/kg dry	0.572	5.72	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-47-3	**Chromium**	**9.08**		mg/kg dry	0.572	0.572	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-48-4	**Cobalt**	**4.61**		mg/kg dry	0.572	0.572	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-50-8	**Copper**	**10.8**		mg/kg dry	0.572	0.572	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7439-89-6	**Iron**	**9280**		mg/kg dry	2.29	2.29	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7439-92-1	**Lead**	**2.60**		mg/kg dry	0.343	0.343	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7439-95-4	**Magnesium**	**1990**		mg/kg dry	5.72	5.72	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7439-96-5	**Manganese**	**67.3**		mg/kg dry	0.572	0.572	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-02-0	**Nickel**	**10.8**		mg/kg dry	0.572	0.572	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-09-7	**Potassium**	**961**		mg/kg dry	5.72	5.72	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7782-49-2	Selenium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-22-4	Silver	ND		mg/kg dry	0.572	0.572	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-23-5	**Sodium**	**102**		mg/kg dry	11.4	11.4	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-28-0	Thallium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-62-2	**Vanadium**	**15.5**		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW
7440-66-6	**Zinc**	**15.7**		mg/kg dry	1.14	1.14	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:22	MW

Sample Information

Client Sample ID: TP-1 8.5' **York Sample ID:** 14F0505-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

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	0.0378	0.0378	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

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**	**87.3**		%	0.100	0.100	1	SM 2540G	06/17/2014 12:47	06/17/2014 16:15	KK

Cyanide, Total

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

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.572	0.572	1	EPA 9014/9010C	06/19/2014 08:22	06/19/2014 11:59	ALD

Sample Information

Client Sample ID: TP-2 0-2" **York Sample ID:** 14F0505-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	6.5	26	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.5	26	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS

Sample Information

Client Sample ID: **TP-2 0-2"** **York Sample ID:** **14F0505-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
78-93-3	2-Butanone	ND		ug/kg dry	6.5	26	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
591-78-6	2-Hexanone	ND		ug/kg dry	6.5	26	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
67-64-1	**Acetone**	**38**	CCV-E, B	ug/kg dry	6.5	26	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
71-43-2	Benzene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
75-25-2	Bromoform	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
74-83-9	Bromomethane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
75-00-3	Chloroethane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
67-66-3	Chloroform	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
74-87-3	Chloromethane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
75-09-2	**Methylene chloride**	**24**	J	ug/kg dry	6.5	26	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
91-20-3	Naphthalene	ND		ug/kg dry	6.5	26	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
95-47-6	o-Xylene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.5	26	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
100-42-5	Styrene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
108-88-3	Toluene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	6.5	13	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	39	1	EPA 8260C	06/16/2014 08:12	06/16/2014 16:26	SS

Sample Information

Client Sample ID: **TP-2 0-2"** **York Sample ID:** **14F0505-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.4 %*		*67-130*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*89.9 %*		*75-127*							
2037-26-5	*Surrogate: Toluene-d8*	*92.4 %*		*90-112*							

Semi-Volatiles, EPA TCL 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	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
120-12-7	Anthracene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
56-55-3	**Benzo(a)anthracene**	**53.6**	J	ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
65-85-0	Benzoic acid	ND		ug/kg dry	135	394	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
207-08-9	**Benzo(k)fluoranthene**	**50.5**	J	ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
218-01-9	**Chrysene**	**56.4**	J	ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	198	394	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR

Sample Information

Client Sample ID: TP-2 0-2" **York Sample ID:** 14F0505-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	198	394	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
206-44-0	**Fluoranthene**	**114**	J	ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
86-73-7	Fluorene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
78-59-1	Isophorone	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
91-20-3	Naphthalene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	99.4	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
85-01-8	**Phenanthrene**	**58.0**	J	ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
108-95-2	Phenol	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
129-00-0	**Pyrene**	**86.3**	J	ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	49.7	197	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:05	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*47.6 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*39.8 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*57.8 %*	*10-140*

Sample Information

Client Sample ID: TP-2 0-2" **York Sample ID:** 14F0505-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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*	*44.4 %*			*10-126*						
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*57.4 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*48.1 %*			*10-137*						

Pesticides/PCBs, EPA TCL List

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

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	98.8	98.8	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.76	9.76	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
72-20-8	Endrin	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.81	7.81	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
309-00-2	Aldrin	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.95	1.95	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:09	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	20.1	20.1	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	20.1	20.1	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	20.1	20.1	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	20.1	20.1	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	20.1	20.1	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	20.1	20.1	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:00	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	20.1	20.1	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:00	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	8.04	20.1	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:00	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*71.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*65.7 %*	*30-140*

Sample Information

Client Sample ID: **TP-2 0-2"** **York Sample ID:** **14F0505-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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
7429-90-5	**Aluminum**	**9960**		mg/kg dry	1.18	1.18	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-36-0	**Antimony**	**0.877**		mg/kg dry	0.591	0.591	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-38-2	**Arsenic**	**5.39**		mg/kg dry	1.18	1.18	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-39-3	**Barium**	**111**		mg/kg dry	1.18	1.18	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.118	0.118	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.355	0.355	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-70-2	**Calcium**	**8550**		mg/kg dry	0.591	5.91	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-47-3	**Chromium**	**22.9**		mg/kg dry	0.591	0.591	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-48-4	**Cobalt**	**5.72**		mg/kg dry	0.591	0.591	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-50-8	**Copper**	**26.5**		mg/kg dry	0.591	0.591	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7439-89-6	**Iron**	**13300**		mg/kg dry	2.37	2.37	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7439-92-1	**Lead**	**206**		mg/kg dry	0.355	0.355	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7439-95-4	**Magnesium**	**3680**		mg/kg dry	5.91	5.91	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7439-96-5	**Manganese**	**170**		mg/kg dry	0.591	0.591	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-02-0	**Nickel**	**15.6**		mg/kg dry	0.591	0.591	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-09-7	**Potassium**	**779**		mg/kg dry	5.91	5.91	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7782-49-2	**Selenium**	**1.59**		mg/kg dry	1.18	1.18	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-22-4	Silver	ND		mg/kg dry	0.591	0.591	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-23-5	**Sodium**	**109**		mg/kg dry	11.8	11.8	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-28-0	Thallium	ND		mg/kg dry	1.18	1.18	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-62-2	**Vanadium**	**30.3**		mg/kg dry	1.18	1.18	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW
7440-66-6	**Zinc**	**95.6**		mg/kg dry	1.18	1.18	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:39	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

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**	**0.0458**		mg/kg dry	0.0390	0.0390	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

Sample Information

Client Sample ID: TP-2 0-2" **York Sample ID:** 14F0505-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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**	**84.5**		%	0.100	0.100	1	SM 2540G	06/17/2014 12:47	06/17/2014 16:15	KK

Cyanide, Total

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

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.591	0.591	1	EPA 9014/9010C	06/19/2014 08:22	06/19/2014 11:59	ALD

Sample Information

Client Sample ID: TP-2 5' **York Sample ID:** 14F0505-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.3	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.3	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
78-93-3	2-Butanone	ND		ug/kg dry	5.3	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
591-78-6	2-Hexanone	ND		ug/kg dry	5.3	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
67-64-1	**Acetone**	**25**	CCV-E, B	ug/kg dry	5.3	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS

Sample Information

Client Sample ID: TP-2 5' **York Sample ID:** 14F0505-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-43-2	Benzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
75-25-2	Bromoform	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
74-83-9	Bromomethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
75-00-3	Chloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
67-66-3	Chloroform	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
74-87-3	Chloromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
75-09-2	**Methylene chloride**	**12**	J	ug/kg dry	5.3	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
91-20-3	Naphthalene	ND		ug/kg dry	5.3	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
95-47-6	o-Xylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
100-42-5	Styrene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
108-88-3	Toluene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.3	32	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:01	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*89.5 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*96.6 %*	*90-112*

Sample Information

Client Sample ID: TP-2 5' **York Sample ID:** 14F0505-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
120-12-7	Anthracene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
65-85-0	Benzoic acid	ND		ug/kg dry	147	429	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
218-01-9	Chrysene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	215	429	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	215	429	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR

Sample Information

Client Sample ID: TP-2 5' **York Sample ID:** 14F0505-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
206-44-0	Fluoranthene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
86-73-7	Fluorene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
78-59-1	Isophorone	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
91-20-3	Naphthalene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	108	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
85-01-8	Phenanthrene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
108-95-2	Phenol	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
129-00-0	Pyrene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	54.1	215	1	EPA 8270D	06/13/2014 17:00	06/16/2014 13:36	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*46.4 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*38.9 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*55.1 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*43.7 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*55.8 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*47.3 %*	*10-137*

Sample Information

Client Sample ID: **TP-2 5'** **York Sample ID:** **14F0505-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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
7429-90-5	**Aluminum**	**7980**		mg/kg dry	1.29	1.29	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-36-0	Antimony	ND		mg/kg dry	0.644	0.644	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-38-2	**Arsenic**	**3.35**		mg/kg dry	1.29	1.29	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-39-3	**Barium**	**66.0**		mg/kg dry	1.29	1.29	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.129	0.129	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.386	0.386	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-70-2	**Calcium**	**3150**		mg/kg dry	0.644	6.44	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-47-3	**Chromium**	**29.4**		mg/kg dry	0.644	0.644	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-48-4	**Cobalt**	**7.23**		mg/kg dry	0.644	0.644	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-50-8	**Copper**	**13.7**		mg/kg dry	0.644	0.644	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7439-89-6	**Iron**	**15200**		mg/kg dry	2.57	2.57	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7439-92-1	**Lead**	**32.7**		mg/kg dry	0.386	0.386	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7439-95-4	**Magnesium**	**2670**		mg/kg dry	6.44	6.44	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7439-96-5	**Manganese**	**171**		mg/kg dry	0.644	0.644	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-02-0	**Nickel**	**19.0**		mg/kg dry	0.644	0.644	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-09-7	**Potassium**	**985**		mg/kg dry	6.44	6.44	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7782-49-2	**Selenium**	**1.44**		mg/kg dry	1.29	1.29	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-22-4	Silver	ND		mg/kg dry	0.644	0.644	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-23-5	**Sodium**	**90.5**		mg/kg dry	12.9	12.9	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-28-0	Thallium	ND		mg/kg dry	1.29	1.29	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-62-2	**Vanadium**	**49.4**		mg/kg dry	1.29	1.29	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW
7440-66-6	**Zinc**	**41.6**		mg/kg dry	1.29	1.29	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:43	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

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	0.0425	0.0425	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

Sample Information

Client Sample ID: TP-2 5' **York Sample ID:** 14F0505-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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**	**77.7**		%	0.100	0.100	1	SM 2540G	06/17/2014 18:43	06/18/2014 15:31	AA

Sample Information

Client Sample ID: TP-3 0-2" **York Sample ID:** 14F0505-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	8.0	32	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	8.0	32	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
78-93-3	2-Butanone	ND		ug/kg dry	8.0	32	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
591-78-6	2-Hexanone	ND		ug/kg dry	8.0	32	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
67-64-1	**Acetone**	**39**	CCV-E, B	ug/kg dry	8.0	32	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
71-43-2	Benzene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
75-25-2	Bromoform	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
74-83-9	Bromomethane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS

Sample Information

Client Sample ID: TP-3 0-2" **York Sample ID:** 14F0505-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
75-00-3	Chloroethane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
67-66-3	Chloroform	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
74-87-3	Chloromethane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
75-09-2	**Methylene chloride**	**28**	J	ug/kg dry	8.0	32	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
91-20-3	Naphthalene	ND		ug/kg dry	8.0	32	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
95-47-6	o-Xylene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	8.0	32	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
100-42-5	Styrene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
108-88-3	Toluene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	8.0	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.0	48	1	EPA 8260C	06/16/2014 08:12	06/16/2014 17:36	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.1 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.7 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*96.8 %*	*90-112*

Sample Information

Client Sample ID: **TP-3 0-2"** **York Sample ID:** **14F0505-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
120-12-7	Anthracene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
56-55-3	**Benzo(a)anthracene**	**468**	J	ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
50-32-8	**Benzo(a)pyrene**	**287**	J	ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
65-85-0	Benzoic acid	ND		ug/kg dry	658	1920	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
207-08-9	**Benzo(k)fluoranthene**	**300**	J	ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
218-01-9	**Chrysene**	**354**	J	ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	964	1920	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	964	1920	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**310**	J	ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR

Sample Information

Client Sample ID: TP-3 0-2" **York Sample ID:** 14F0505-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
206-44-0	**Fluoranthene**	**833**	J	ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
86-73-7	Fluorene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
78-59-1	Isophorone	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
91-20-3	Naphthalene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	485	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
85-01-8	**Phenanthrene**	**325**	J	ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
108-95-2	Phenol	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
129-00-0	**Pyrene**	**720**	J	ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	242	962	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:14	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*38.6 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*65.5 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*56.8 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*59.4 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*58.2 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*67.1 %*	*10-137*

Sample Information

Client Sample ID: **TP-3 0-2"** **York Sample ID:** **14F0505-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Pesticides/PCBs, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	96.4	96.4	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.52	9.52	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
72-20-8	Endrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.62	7.62	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
309-00-2	Aldrin	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.90	1.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:41	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	19.6	19.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:29	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	19.6	19.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:29	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	19.6	19.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:29	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	19.6	19.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:29	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	19.6	19.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:29	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	19.6	19.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:29	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	19.6	19.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:29	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	7.85	19.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:29	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*49.4 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.5 %*	*30-140*

Sample Information

Client Sample ID: **TP-3 0-2''** **York Sample ID:** **14F0505-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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
7429-90-5	**Aluminum**	**11100**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-36-0	Antimony	ND		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-38-2	**Arsenic**	**4.00**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-39-3	**Barium**	**96.2**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.346	0.346	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-70-2	**Calcium**	**10200**		mg/kg dry	0.577	5.77	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-47-3	**Chromium**	**27.7**		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-48-4	**Cobalt**	**7.07**		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-50-8	**Copper**	**27.4**		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7439-89-6	**Iron**	**16300**		mg/kg dry	2.31	2.31	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7439-92-1	**Lead**	**186**		mg/kg dry	0.346	0.346	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7439-95-4	**Magnesium**	**4190**		mg/kg dry	5.77	5.77	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7439-96-5	**Manganese**	**249**		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-02-0	**Nickel**	**18.0**		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-09-7	**Potassium**	**1380**		mg/kg dry	5.77	5.77	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7782-49-2	**Selenium**	**2.13**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-22-4	Silver	ND		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-23-5	**Sodium**	**103**		mg/kg dry	11.5	11.5	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-62-2	**Vanadium**	**29.7**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW
7440-66-6	**Zinc**	**123**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:48	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

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	0.0381	0.0381	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

Sample Information

Client Sample ID: TP-3 0-2" **York Sample ID:** 14F0505-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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**	**86.6**		%	0.100	0.100	1	SM 2540G	06/17/2014 18:43	06/18/2014 15:31	AA

Cyanide, Total

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

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.577	0.577	1	EPA 9014/9010C	06/19/2014 08:22	06/19/2014 11:59	ALD

Sample Information

Client Sample ID: TP-3 8.5' **York Sample ID:** 14F0505-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	4.2	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4.2	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
78-93-3	2-Butanone	ND		ug/kg dry	4.2	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
591-78-6	2-Hexanone	ND		ug/kg dry	4.2	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
67-64-1	**Acetone**	**30**	CCV-E, B	ug/kg dry	4.2	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS

Sample Information

Client Sample ID: **TP-3 8.5'** **York Sample ID:** **14F0505-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-43-2	Benzene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
75-25-2	Bromoform	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
74-83-9	Bromomethane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
75-00-3	Chloroethane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
67-66-3	Chloroform	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
74-87-3	Chloromethane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
100-41-4	**Ethyl Benzene**	**4.5**	J	ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
75-09-2	**Methylene chloride**	**9.4**	J	ug/kg dry	4.2	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
91-20-3	Naphthalene	ND		ug/kg dry	4.2	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
95-47-6	o-Xylene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.2	17	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
100-42-5	Styrene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
108-88-3	Toluene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.2	25	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:10	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*94.2 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.2 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*91.8 %*	*90-112*

Sample Information

Client Sample ID: **TP-3 8.5'** **York Sample ID:** **14F0505-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
120-12-7	Anthracene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
65-85-0	Benzoic acid	ND		ug/kg dry	129	377	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
218-01-9	Chrysene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	189	376	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	189	377	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR

Sample Information

Client Sample ID: TP-3 8.5' **York Sample ID:** 14F0505-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
206-44-0	Fluoranthene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
86-73-7	Fluorene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
78-59-1	Isophorone	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	94.9	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
85-01-8	Phenanthrene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
108-95-2	Phenol	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
129-00-0	Pyrene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.5	188	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:06	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*52.8 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*43.7 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*62.1 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*47.5 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*62.3 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*54.2 %*	*10-137*

Sample Information

Client Sample ID: **TP-3 8.5'** **York Sample ID:** **14F0505-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Pesticides/PCBs, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	94.3	94.3	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.32	9.32	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
72-20-8	Endrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.46	7.46	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
309-00-2	Aldrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 16:57	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:58	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:58	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:58	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:58	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:58	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:58	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:58	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	7.68	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 11:58	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*95.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*75.8 %*	*30-140*

Sample Information

Client Sample ID: **TP-3 8.5'** **York Sample ID:** **14F0505-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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
7429-90-5	**Aluminum**	**4480**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-36-0	Antimony	ND		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-38-2	**Arsenic**	**1.30**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-39-3	**Barium**	**33.5**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.113	0.113	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.339	0.339	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-70-2	**Calcium**	**2450**		mg/kg dry	0.565	5.65	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-47-3	**Chromium**	**14.3**		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-48-4	**Cobalt**	**4.30**		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-50-8	**Copper**	**16.8**		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7439-89-6	**Iron**	**7660**		mg/kg dry	2.26	2.26	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7439-92-1	**Lead**	**2.60**		mg/kg dry	0.339	0.339	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7439-95-4	**Magnesium**	**2160**		mg/kg dry	5.65	5.65	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7439-96-5	**Manganese**	**80.3**		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-02-0	**Nickel**	**13.2**		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-09-7	**Potassium**	**656**		mg/kg dry	5.65	5.65	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7782-49-2	Selenium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-22-4	Silver	ND		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-23-5	**Sodium**	**327**		mg/kg dry	11.3	11.3	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-62-2	**Vanadium**	**22.9**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW
7440-66-6	**Zinc**	**15.0**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 16:52	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

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	0.0373	0.0373	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

Sample Information

Client Sample ID: TP-3 8.5' **York Sample ID:** 14F0505-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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**	**88.5**		%	0.100	0.100	1	SM 2540G	06/17/2014 18:43	06/18/2014 15:31	AA

Cyanide, Total

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

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.565	0.565	1	EPA 9014/9010C	06/19/2014 08:22	06/19/2014 11:59	ALD

Sample Information

Client Sample ID: TP-4 0-2" **York Sample ID:** 14F0505-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	8.9	35	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	8.9	35	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
78-93-3	2-Butanone	ND		ug/kg dry	8.9	35	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
591-78-6	2-Hexanone	ND		ug/kg dry	8.9	35	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
67-64-1	**Acetone**	**59**	CCV-E, B	ug/kg dry	8.9	35	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS

Sample Information

Client Sample ID: **TP-4 0-2"** **York Sample ID:** **14F0505-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-43-2	Benzene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
75-25-2	Bromoform	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
74-83-9	Bromomethane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
75-00-3	Chloroethane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
67-66-3	Chloroform	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
74-87-3	Chloromethane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
75-09-2	**Methylene chloride**	**23**	J	ug/kg dry	8.9	35	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
91-20-3	Naphthalene	ND		ug/kg dry	8.9	35	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
95-47-6	o-Xylene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	8.9	35	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
100-42-5	Styrene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
108-88-3	Toluene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	8.9	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.9	53	1	EPA 8260C	06/16/2014 08:12	06/16/2014 18:45	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.3 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*87.7 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*94.4 %*	*90-112*

Sample Information

Client Sample ID: **TP-4 0-2"** **York Sample ID:** **14F0505-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
120-12-7	Anthracene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
65-85-0	Benzoic acid	ND		ug/kg dry	646	1890	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
218-01-9	Chrysene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	947	1890	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	947	1890	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR

Sample Information

Client Sample ID: TP-4 0-2" **York Sample ID:** 14F0505-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
206-44-0	Fluoranthene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
86-73-7	Fluorene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
78-59-1	Isophorone	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
91-20-3	Naphthalene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	476	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
85-01-8	Phenanthrene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
108-95-2	Phenol	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
129-00-0	Pyrene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	238	945	5	EPA 8270D	06/13/2014 17:00	06/16/2014 22:48	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*21.3 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*28.4 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*27.0 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*31.4 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*25.8 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*32.1 %*	*10-137*

Sample Information

Client Sample ID: **TP-4 0-2"** **York Sample ID:** **14F0505-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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
7429-90-5	**Aluminum**	**7560**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-36-0	Antimony	ND		mg/kg dry	0.567	0.567	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-38-2	**Arsenic**	**5.65**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-39-3	**Barium**	**106**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.113	0.113	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.340	0.340	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-70-2	**Calcium**	**36100**		mg/kg dry	0.567	5.67	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-47-3	**Chromium**	**20.2**		mg/kg dry	0.567	0.567	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-48-4	**Cobalt**	**5.30**		mg/kg dry	0.567	0.567	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-50-8	**Copper**	**30.8**		mg/kg dry	0.567	0.567	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7439-89-6	**Iron**	**12300**		mg/kg dry	2.27	2.27	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7439-92-1	**Lead**	**233**		mg/kg dry	0.340	0.340	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7439-95-4	**Magnesium**	**4720**		mg/kg dry	5.67	5.67	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7439-96-5	**Manganese**	**193**		mg/kg dry	0.567	0.567	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-02-0	**Nickel**	**16.2**		mg/kg dry	0.567	0.567	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-09-7	**Potassium**	**925**		mg/kg dry	5.67	5.67	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7782-49-2	Selenium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-22-4	Silver	ND		mg/kg dry	0.567	0.567	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-23-5	**Sodium**	**159**		mg/kg dry	11.3	11.3	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-62-2	**Vanadium**	**25.7**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW
7440-66-6	**Zinc**	**115**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:09	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

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	0.0374	0.0374	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

Sample Information

Client Sample ID: **TP-4 0-2''** **York Sample ID:** **14F0505-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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**	**88.2**		%	0.100	0.100	1	SM 2540G	06/17/2014 18:43	06/18/2014 15:31	AA

Sample Information

Client Sample ID: **TP-4 8.5'** **York Sample ID:** **14F0505-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	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	06/16/2014 08:12	06/16/2014 19:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.7	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
67-64-1	**Acetone**	**21**	CCV-E, B	ug/kg dry	2.7	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS

Sample Information

Client Sample ID: **TP-4 8.5'** **York Sample ID:** **14F0505-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**4.6**	J	ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
75-09-2	**Methylene chloride**	**6.3**	J	ug/kg dry	2.7	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.7	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.7	11	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	16	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:20	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*95.4 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.5 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*94.6 %*	*90-112*

Sample Information

Client Sample ID: **TP-4 8.5'** **York Sample ID:** **14F0505-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
120-12-7	Anthracene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
65-85-0	Benzoic acid	ND		ug/kg dry	133	390	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
218-01-9	Chrysene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	195	389	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	195	390	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR

Sample Information

Client Sample ID: TP-4 8.5' **York Sample ID:** 14F0505-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
206-44-0	Fluoranthene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
86-73-7	Fluorene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
78-59-1	Isophorone	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
91-20-3	Naphthalene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	98.2	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
85-01-8	Phenanthrene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
108-95-2	Phenol	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
129-00-0	Pyrene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	49.1	195	1	EPA 8270D	06/13/2014 17:00	06/16/2014 14:36	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*44.5 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*40.8 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*58.1 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*41.0 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*53.3 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*53.2 %*	*10-137*

Sample Information

Client Sample ID: **TP-4 8.5'** **York Sample ID:** **14F0505-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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
7429-90-5	**Aluminum**	**6660**		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-36-0	Antimony	ND		mg/kg dry	0.585	0.585	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-38-2	**Arsenic**	**1.31**		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-39-3	**Barium**	**61.7**		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.117	0.117	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.351	0.351	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-70-2	**Calcium**	**2620**		mg/kg dry	0.585	5.85	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-47-3	**Chromium**	**14.9**		mg/kg dry	0.585	0.585	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-48-4	**Cobalt**	**10.9**		mg/kg dry	0.585	0.585	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-50-8	**Copper**	**28.5**		mg/kg dry	0.585	0.585	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7439-89-6	**Iron**	**15600**		mg/kg dry	2.34	2.34	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7439-92-1	**Lead**	**2.73**		mg/kg dry	0.351	0.351	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7439-95-4	**Magnesium**	**3930**		mg/kg dry	5.85	5.85	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7439-96-5	**Manganese**	**141**		mg/kg dry	0.585	0.585	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-02-0	**Nickel**	**25.2**		mg/kg dry	0.585	0.585	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-09-7	**Potassium**	**1940**		mg/kg dry	5.85	5.85	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7782-49-2	**Selenium**	**1.70**		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-22-4	Silver	ND		mg/kg dry	0.585	0.585	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-23-5	**Sodium**	**263**		mg/kg dry	11.7	11.7	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-28-0	Thallium	ND		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-62-2	**Vanadium**	**36.9**		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW
7440-66-6	**Zinc**	**32.3**		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:14	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

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	0.0386	0.0386	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

Sample Information

Client Sample ID: TP-4 8.5' **York Sample ID:** 14F0505-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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**	**85.5**		%	0.100	0.100	1	SM 2540G	06/17/2014 18:43	06/18/2014 15:31	AA

Sample Information

Client Sample ID: TP-5 0-2'' **York Sample ID:** 14F0505-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	11	42	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	11	42	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
78-93-3	2-Butanone	ND		ug/kg dry	11	42	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
591-78-6	2-Hexanone	ND		ug/kg dry	11	42	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
67-64-1	Acetone	ND		ug/kg dry	11	42	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
71-43-2	Benzene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
75-25-2	Bromoform	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
74-83-9	Bromomethane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS

Sample Information

Client Sample ID: **TP-5 0-2"** **York Sample ID:** **14F0505-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
75-00-3	Chloroethane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
67-66-3	Chloroform	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
74-87-3	Chloromethane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
75-09-2	**Methylene chloride**	**22**	J	ug/kg dry	11	42	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
91-20-3	Naphthalene	ND		ug/kg dry	11	42	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
95-47-6	o-Xylene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	11	42	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
100-42-5	Styrene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
108-88-3	Toluene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	11	21	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	11	63	1	EPA 8260C	06/16/2014 08:12	06/16/2014 19:55	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.7 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.7 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*94.9 %*	*90-112*

Sample Information

Client Sample ID: TP-5 0-2" **York Sample ID:** 14F0505-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
120-12-7	Anthracene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
65-85-0	Benzoic acid	ND		ug/kg dry	684	2000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
218-01-9	Chrysene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1000	2000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1000	2000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR

Sample Information

Client Sample ID: TP-5 0-2" **York Sample ID:** 14F0505-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
206-44-0	Fluoranthene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
86-73-7	Fluorene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
78-59-1	Isophorone	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
91-20-3	Naphthalene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	504	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
85-01-8	Phenanthrene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
108-95-2	Phenol	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
129-00-0	Pyrene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	252	1000	5	EPA 8270D	06/13/2014 17:00	06/16/2014 21:45	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*36.0 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*58.8 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*51.0 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*61.6 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*62.5 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*72.8 %*	*10-137*

Sample Information

Client Sample ID: **TP-5 0-2"** **York Sample ID:** **14F0505-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Pesticides/PCBs, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	100	100	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.90	9.90	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
72-20-8	Endrin	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.92	7.92	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
309-00-2	Aldrin	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.98	1.98	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:13	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	20.4	20.4	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:27	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	20.4	20.4	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:27	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	20.4	20.4	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:27	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	20.4	20.4	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:27	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	20.4	20.4	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:27	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	20.4	20.4	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:27	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	20.4	20.4	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:27	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	8.16	20.4	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:27	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*41.8 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*44.6 %*	*30-140*

Sample Information

Client Sample ID: **TP-5 0-2"** **York Sample ID:** **14F0505-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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
7429-90-5	**Aluminum**	**6880**		mg/kg dry	1.20	1.20	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-36-0	**Antimony**	**1.20**		mg/kg dry	0.600	0.600	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-38-2	**Arsenic**	**2.22**		mg/kg dry	1.20	1.20	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-39-3	**Barium**	**104**		mg/kg dry	1.20	1.20	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.120	0.120	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-43-9	**Cadmium**	**1.42**		mg/kg dry	0.360	0.360	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-70-2	**Calcium**	**7430**		mg/kg dry	0.600	6.00	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-47-3	**Chromium**	**11.6**		mg/kg dry	0.600	0.600	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-48-4	**Cobalt**	**4.37**		mg/kg dry	0.600	0.600	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-50-8	**Copper**	**52.8**		mg/kg dry	0.600	0.600	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7439-89-6	**Iron**	**8970**		mg/kg dry	2.40	2.40	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7439-92-1	**Lead**	**150**		mg/kg dry	0.360	0.360	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7439-95-4	**Magnesium**	**2440**		mg/kg dry	6.00	6.00	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7439-96-5	**Manganese**	**57.6**		mg/kg dry	0.600	0.600	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-02-0	**Nickel**	**18.4**		mg/kg dry	0.600	0.600	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-09-7	**Potassium**	**605**		mg/kg dry	6.00	6.00	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7782-49-2	Selenium	ND		mg/kg dry	1.20	1.20	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-22-4	Silver	ND		mg/kg dry	0.600	0.600	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-23-5	**Sodium**	**132**		mg/kg dry	12.0	12.0	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-28-0	Thallium	ND		mg/kg dry	1.20	1.20	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-62-2	**Vanadium**	**14.5**		mg/kg dry	1.20	1.20	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW
7440-66-6	**Zinc**	**155**		mg/kg dry	1.20	1.20	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:19	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

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	0.0396	0.0396	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

Sample Information

Client Sample ID: TP-5 0-2" **York Sample ID:** 14F0505-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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**	**83.3**		%	0.100	0.100	1	SM 2540G	06/17/2014 18:43	06/18/2014 15:31	AA

Cyanide, Total

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

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.600	0.600	1	EPA 9014/9010C	06/19/2014 08:22	06/19/2014 11:59	ALD

Sample Information

Client Sample ID: TP-5 5' **York Sample ID:** 14F0505-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	9.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	9.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
78-93-3	**2-Butanone**	**17**	CCV-E	ug/kg dry	2.4	9.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	9.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
67-64-1	**Acetone**	**120**	CCV-E, B	ug/kg dry	2.4	9.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS

Sample Information

Client Sample ID: **TP-5 5'** **York Sample ID:** **14F0505-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-43-2	Benzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
75-09-2	**Methylene chloride**	**8.4**	J	ug/kg dry	2.4	9.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.4	9.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.4	9.4	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
100-42-5	Styrene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
108-88-3	Toluene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.7	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.4	14	1	EPA 8260C	06/16/2014 08:12	06/16/2014 20:30	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.8 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*87.9 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*95.2 %*	*90-112*

Sample Information

Client Sample ID: TP-5 5'

York Sample ID: 14F0505-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
120-12-7	Anthracene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
65-85-0	Benzoic acid	ND		ug/kg dry	179	522	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
218-01-9	Chrysene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	262	522	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	262	522	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR

Sample Information

Client Sample ID: TP-5 5' **York Sample ID:** 14F0505-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
206-44-0	Fluoranthene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
86-73-7	Fluorene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
78-59-1	Isophorone	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
91-20-3	Naphthalene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	132	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
85-01-8	Phenanthrene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
108-95-2	Phenol	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
129-00-0	Pyrene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	65.8	261	1	EPA 8270D	06/13/2014 18:00	06/16/2014 15:07	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*44.7 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*42.2 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*67.1 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*44.6 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*51.5 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*54.3 %*	*10-137*

Sample Information

Client Sample ID: **TP-5 5'** **York Sample ID:** **14F0505-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Pesticides/PCBs, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	131	131	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
72-43-5	Methoxychlor	ND		ug/kg dry	12.9	12.9	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
72-20-8	Endrin	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
57-74-9	Chlordane, total	ND		ug/kg dry	10.3	10.3	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
309-00-2	Aldrin	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	2.58	2.58	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:28	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	26.6	26.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:56	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	26.6	26.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:56	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	26.6	26.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:56	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	26.6	26.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:56	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	26.6	26.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:56	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	26.6	26.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:56	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	26.6	26.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:56	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	10.7	26.6	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 12:56	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.3 %*	*30-140*

Sample Information

Client Sample ID: **TP-5 5'** **York Sample ID:** **14F0505-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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
7429-90-5	**Aluminum**	**43100**		mg/kg dry	1.57	1.57	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-36-0	**Antimony**	**1.89**		mg/kg dry	0.783	0.783	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-38-2	**Arsenic**	**5.95**		mg/kg dry	1.57	1.57	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-39-3	**Barium**	**561**		mg/kg dry	1.57	1.57	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-41-7	**Beryllium**	**1.54**		mg/kg dry	0.157	0.157	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.470	0.470	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-70-2	**Calcium**	**5290**		mg/kg dry	0.783	7.83	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-47-3	**Chromium**	**162**		mg/kg dry	0.783	0.783	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-48-4	**Cobalt**	**33.6**		mg/kg dry	0.783	0.783	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-50-8	**Copper**	**17.1**		mg/kg dry	0.783	0.783	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7439-89-6	**Iron**	**33200**		mg/kg dry	3.13	3.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7439-92-1	**Lead**	**13.6**		mg/kg dry	0.470	0.470	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7439-95-4	**Magnesium**	**3270**		mg/kg dry	7.83	7.83	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7439-96-5	**Manganese**	**2460**		mg/kg dry	0.783	0.783	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-02-0	**Nickel**	**38.4**		mg/kg dry	0.783	0.783	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-09-7	**Potassium**	**2210**		mg/kg dry	7.83	7.83	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7782-49-2	**Selenium**	**3.78**		mg/kg dry	1.57	1.57	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-22-4	Silver	ND		mg/kg dry	0.783	0.783	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-23-5	**Sodium**	**144**		mg/kg dry	15.7	15.7	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-28-0	Thallium	ND		mg/kg dry	1.57	1.57	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-62-2	**Vanadium**	**38.2**		mg/kg dry	1.57	1.57	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW
7440-66-6	**Zinc**	**120**		mg/kg dry	1.57	1.57	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:23	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

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	0.0517	0.0517	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

Sample Information

Client Sample ID: TP-5 5' **York Sample ID:** 14F0505-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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**	**63.8**		%	0.100	0.100	1	SM 2540G	06/17/2014 18:43	06/18/2014 15:31	AA

Cyanide, Total

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

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.783	0.783	1	EPA 9014/9010C	06/19/2014 08:22	06/19/2014 11:59	ALD

Sample Information

Client Sample ID: TP-6 0-2" **York Sample ID:** 14F0505-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
78-93-3	2-Butanone	ND		ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
591-78-6	2-Hexanone	ND		ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
67-64-1	**Acetone**	**47**	CCV-E, B	ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS

Sample Information

Client Sample ID: **TP-6 0-2"** **York Sample ID:** **14F0505-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-43-2	Benzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
75-25-2	Bromoform	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
74-83-9	Bromomethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
75-00-3	Chloroethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
67-66-3	Chloroform	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
74-87-3	Chloromethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
75-09-2	**Methylene chloride**	**23**	J	ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
91-20-3	Naphthalene	ND		ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
95-47-6	o-Xylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	9.0	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
100-42-5	Styrene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
108-88-3	Toluene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	9.0	18	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.0	54	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:05	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*94.0 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.4 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*97.0 %*	*90-112*

Sample Information

Client Sample ID: **TP-6 0-2"** **York Sample ID:** **14F0505-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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**	**343**	J	ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
120-12-7	**Anthracene**	**1240**		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
56-55-3	**Benzo(a)anthracene**	**4100**		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
50-32-8	**Benzo(a)pyrene**	**1850**		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
205-99-2	**Benzo(b)fluoranthene**	**2330**		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
191-24-2	**Benzo(g,h,i)perylene**	**654**	J	ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
65-85-0	Benzoic acid	ND		ug/kg dry	666	1950	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
207-08-9	**Benzo(k)fluoranthene**	**2210**		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
85-68-7	**Benzyl butyl phthalate**	**536**	J	ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
218-01-9	**Chrysene**	**3620**		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	976	1950	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	976	1950	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
117-81-7	**Bis(2-ethylhexyl)phthalate**	**701**	J	ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR

Sample Information

Client Sample ID: TP-6 0-2" **York Sample ID:** 14F0505-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
206-44-0	**Fluoranthene**	**8070**		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
86-73-7	**Fluorene**	**407**	J	ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
193-39-5	**Indeno(1,2,3-cd)pyrene**	**812**	J	ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
78-59-1	Isophorone	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
91-20-3	Naphthalene	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	491	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
85-01-8	**Phenanthrene**	**5070**		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
108-95-2	Phenol	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
129-00-0	**Pyrene**	**6380**		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	245	974	5	EPA 8270D	06/13/2014 18:00	06/16/2014 22:17	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*44.1 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*68.6 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*52.8 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*58.9 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*64.2 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*67.5 %*	*10-137*

Sample Information

Client Sample ID: **TP-6 0-2"** **York Sample ID:** **14F0505-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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
7429-90-5	**Aluminum**	**8600**		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-36-0	**Antimony**	**3.48**		mg/kg dry	0.584	0.584	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-38-2	**Arsenic**	**4.18**		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-39-3	**Barium**	**132**		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.117	0.117	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-43-9	**Cadmium**	**1.03**		mg/kg dry	0.351	0.351	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-70-2	**Calcium**	**11900**		mg/kg dry	0.584	5.84	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-47-3	**Chromium**	**37.5**		mg/kg dry	0.584	0.584	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-48-4	**Cobalt**	**9.01**		mg/kg dry	0.584	0.584	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-50-8	**Copper**	**68.5**		mg/kg dry	0.584	0.584	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7439-89-6	**Iron**	**24200**		mg/kg dry	2.34	2.34	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7439-92-1	**Lead**	**509**		mg/kg dry	0.351	0.351	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7439-95-4	**Magnesium**	**6730**		mg/kg dry	5.84	5.84	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7439-96-5	**Manganese**	**277**		mg/kg dry	0.584	0.584	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-02-0	**Nickel**	**35.0**		mg/kg dry	0.584	0.584	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-09-7	**Potassium**	**1840**		mg/kg dry	5.84	5.84	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7782-49-2	**Selenium**	**2.14**		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-22-4	Silver	ND		mg/kg dry	0.584	0.584	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-23-5	**Sodium**	**217**		mg/kg dry	11.7	11.7	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-28-0	Thallium	ND		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-62-2	**Vanadium**	**35.6**		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW
7440-66-6	**Zinc**	**160**		mg/kg dry	1.17	1.17	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:28	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

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	0.0386	0.0386	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

Sample Information

Client Sample ID: TP-6 0-2" **York Sample ID:** 14F0505-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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**	**85.6**		%	0.100	0.100	1	SM 2540G	06/17/2014 18:43	06/18/2014 15:31	AA

Sample Information

Client Sample ID: TP-6 4' **York Sample ID:** 14F0505-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	7.7	31	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	7.7	31	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
78-93-3	2-Butanone	ND		ug/kg dry	7.7	31	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
591-78-6	2-Hexanone	ND		ug/kg dry	7.7	31	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
67-64-1	Acetone	ND		ug/kg dry	7.7	31	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
71-43-2	Benzene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
75-25-2	Bromoform	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
74-83-9	Bromomethane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS

Sample Information

Client Sample ID: TP-6 4' **York Sample ID:** 14F0505-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
75-00-3	Chloroethane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
67-66-3	Chloroform	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
74-87-3	Chloromethane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
75-09-2	**Methylene chloride**	**17**	J	ug/kg dry	7.7	31	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
91-20-3	Naphthalene	ND		ug/kg dry	7.7	31	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
95-47-6	o-Xylene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	7.7	31	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
100-42-5	Styrene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
108-88-3	Toluene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	7.7	15	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.7	46	1	EPA 8260C	06/16/2014 08:12	06/16/2014 21:39	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*94.7 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.8 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*94.7 %*	*90-112*

Sample Information

Client Sample ID: TP-6 4'

York Sample ID: 14F0505-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
120-12-7	**Anthracene**	**1050**	J	ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
56-55-3	**Benzo(a)anthracene**	**2490**	J	ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
205-99-2	**Benzo(b)fluoranthene**	**1170**	J	ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
65-85-0	Benzoic acid	ND		ug/kg dry	2630	7700	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
207-08-9	**Benzo(k)fluoranthene**	**1110**	J	ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
218-01-9	**Chrysene**	**2370**	J	ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	3860	7690	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	3860	7700	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR

Sample Information

Client Sample ID: TP-6 4' **York Sample ID:** 14F0505-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
206-44-0	**Fluoranthene**	**6070**		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
86-73-7	Fluorene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
78-59-1	Isophorone	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
91-20-3	Naphthalene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	1940	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
85-01-8	**Phenanthrene**	**4380**		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
108-95-2	Phenol	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
129-00-0	**Pyrene**	**5120**		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	970	3850	20	EPA 8270D	06/13/2014 18:00	06/16/2014 23:50	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*35.9 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*63.9 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*57.6 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*49.0 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*51.9 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*64.0 %*	*10-137*

Sample Information

Client Sample ID: TP-6 4'

York Sample ID: 14F0505-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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
7429-90-5	**Aluminum**	**7970**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-36-0	**Antimony**	**5.13**		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-38-2	**Arsenic**	**7.28**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-39-3	**Barium**	**727**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-43-9	**Cadmium**	**1.58**		mg/kg dry	0.346	0.346	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-70-2	**Calcium**	**25400**		mg/kg dry	0.577	5.77	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-47-3	**Chromium**	**45.0**		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-48-4	**Cobalt**	**8.90**		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-50-8	**Copper**	**53.2**		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7439-89-6	**Iron**	**15300**		mg/kg dry	2.31	2.31	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7439-92-1	**Lead**	**2050**		mg/kg dry	0.346	0.346	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7439-95-4	**Magnesium**	**6020**		mg/kg dry	5.77	5.77	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7439-96-5	**Manganese**	**312**		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-02-0	**Nickel**	**24.5**		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-09-7	**Potassium**	**1080**		mg/kg dry	5.77	5.77	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7782-49-2	**Selenium**	**1.86**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-22-4	Silver	ND		mg/kg dry	0.577	0.577	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-23-5	**Sodium**	**154**		mg/kg dry	11.5	11.5	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-62-2	**Vanadium**	**26.5**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW
7440-66-6	**Zinc**	**650**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:33	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

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**	**0.0413**		mg/kg dry	0.0381	0.0381	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

Sample Information

Client Sample ID: TP-6 4' **York Sample ID:** 14F0505-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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**	**86.6**		%	0.100	0.100	1	SM 2540G	06/17/2014 18:43	06/18/2014 15:31	AA

Sample Information

Client Sample ID: TP-7 0-2'' **York Sample ID:** 14F0505-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	10	41	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	10	41	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
78-93-3	2-Butanone	ND		ug/kg dry	10	41	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
591-78-6	2-Hexanone	ND		ug/kg dry	10	41	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
67-64-1	Acetone	ND		ug/kg dry	10	41	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
71-43-2	Benzene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
75-25-2	Bromoform	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
74-83-9	Bromomethane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS

Sample Information

Client Sample ID: TP-7 0-2''

York Sample ID: 14F0505-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
75-00-3	Chloroethane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
67-66-3	Chloroform	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
74-87-3	Chloromethane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
75-09-2	**Methylene chloride**	**30**	J	ug/kg dry	10	41	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
91-20-3	Naphthalene	ND		ug/kg dry	10	41	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
95-47-6	o-Xylene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	10	41	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
100-42-5	Styrene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
108-88-3	Toluene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	10	20	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	10	61	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:14	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.9 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*95.4 %*	*90-112*

Sample Information

Client Sample ID: TP-7 0-2''

York Sample ID: 14F0505-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
120-12-7	Anthracene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
65-85-0	Benzoic acid	ND		ug/kg dry	1290	3770	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
218-01-9	Chrysene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1890	3760	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1890	3770	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR

Sample Information

Client Sample ID: TP-7 0-2''

York Sample ID: 14F0505-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
206-44-0	Fluoranthene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
86-73-7	Fluorene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
78-59-1	Isophorone	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
91-20-3	Naphthalene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	949	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
85-01-8	Phenanthrene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
108-95-2	Phenol	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
129-00-0	Pyrene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	475	1880	10	EPA 8270D	06/13/2014 18:00	06/16/2014 23:19	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*24.2 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*53.7 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*48.6 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*54.6 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*48.9 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*69.4 %*	*10-137*

Sample Information

Client Sample ID: **TP-7 0-2''** **York Sample ID:** **14F0505-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Pesticides/PCBs, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	94.4	94.4	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.32	9.32	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
72-20-8	Endrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.46	7.46	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
309-00-2	Aldrin	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.86	1.86	5	EPA 8081B/8082A	06/13/2014 16:00	06/17/2014 17:44	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 13:26	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 13:26	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 13:26	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 13:26	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 13:26	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 13:26	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	19.2	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 13:26	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	7.69	19.2	1	EPA 8081B/8082A	06/13/2014 16:00	06/16/2014 13:26	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.6 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.2 %*	*30-140*

Sample Information

Client Sample ID: **TP-7 0-2''** **York Sample ID:** **14F0505-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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
7429-90-5	**Aluminum**	**3660**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-36-0	Antimony	ND		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-38-2	**Arsenic**	**3.05**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-39-3	**Barium**	**50.2**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.113	0.113	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.339	0.339	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-70-2	**Calcium**	**14600**		mg/kg dry	0.565	5.65	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-47-3	**Chromium**	**5.65**		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-48-4	**Cobalt**	**5.76**		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-50-8	**Copper**	**51.7**		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7439-89-6	**Iron**	**7880**		mg/kg dry	2.26	2.26	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7439-92-1	**Lead**	**29.9**		mg/kg dry	0.339	0.339	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7439-95-4	**Magnesium**	**785**		mg/kg dry	5.65	5.65	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7439-96-5	**Manganese**	**75.6**		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-02-0	**Nickel**	**14.2**		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-09-7	**Potassium**	**642**		mg/kg dry	5.65	5.65	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7782-49-2	**Selenium**	**1.51**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-22-4	Silver	ND		mg/kg dry	0.565	0.565	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-23-5	**Sodium**	**129**		mg/kg dry	11.3	11.3	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-62-2	**Vanadium**	**14.0**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW
7440-66-6	**Zinc**	**27.1**		mg/kg dry	1.13	1.13	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:40	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

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**	**0.0999**		mg/kg dry	0.0373	0.0373	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

Sample Information

Client Sample ID: TP-7 0-2'' **York Sample ID:** 14F0505-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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**	**88.5**		%	0.100	0.100	1	SM 2540G	06/17/2014 18:43	06/18/2014 15:31	AA

Cyanide, Total

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

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.565	0.565	1	EPA 9014/9010C	06/19/2014 08:22	06/19/2014 11:59	ALD

Sample Information

Client Sample ID: TP-7 8' **York Sample ID:** 14F0505-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.9	24	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.9	24	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
78-93-3	2-Butanone	ND		ug/kg dry	5.9	24	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
591-78-6	2-Hexanone	ND		ug/kg dry	5.9	24	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
67-64-1	Acetone	ND		ug/kg dry	5.9	24	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
71-43-2	Benzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS

Sample Information

Client Sample ID: TP-7 8' **York Sample ID:** 14F0505-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Volatile Organics, TCL (Target Compound 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
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
75-25-2	Bromoform	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
74-83-9	Bromomethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
75-00-3	Chloroethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
67-66-3	Chloroform	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
74-87-3	Chloromethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
75-09-2	**Methylene chloride**	**24**		ug/kg dry	5.9	24	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
91-20-3	Naphthalene	ND		ug/kg dry	5.9	24	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
95-47-6	o-Xylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.9	24	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
100-42-5	Styrene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
108-88-3	Toluene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.9	12	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.9	36	1	EPA 8260C	06/16/2014 08:12	06/16/2014 22:49	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*96.0 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.9 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*93.6 %*	*90-112*

Sample Information

Client Sample ID: TP-7 8'

York Sample ID: 14F0505-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
120-12-7	Anthracene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
65-85-0	Benzoic acid	ND		ug/kg dry	131	382	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
218-01-9	Chrysene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	191	382	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	191	382	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR

Sample Information

Client Sample ID: TP-7 8' **York Sample ID:** 14F0505-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

Semi-Volatiles, EPA TCL 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
206-44-0	Fluoranthene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
86-73-7	Fluorene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
78-59-1	Isophorone	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
91-20-3	Naphthalene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	96.3	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
85-01-8	Phenanthrene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
108-95-2	Phenol	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
129-00-0	Pyrene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	48.1	191	1	EPA 8270D	06/13/2014 18:00	06/16/2014 20:44	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*62.7 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*71.1 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*62.1 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*58.6 %*	*10-126*
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*67.3 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*71.6 %*	*10-137*

Sample Information

Client Sample ID: TP-7 8'

York Sample ID: 14F0505-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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
7429-90-5	**Aluminum**	**8540**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-36-0	Antimony	ND		mg/kg dry	0.573	0.573	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-38-2	**Arsenic**	**2.03**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-39-3	**Barium**	**55.3**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.344	0.344	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-70-2	**Calcium**	**1960**		mg/kg dry	0.573	5.73	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-47-3	**Chromium**	**26.1**		mg/kg dry	0.573	0.573	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-48-4	**Cobalt**	**9.05**		mg/kg dry	0.573	0.573	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-50-8	**Copper**	**25.9**		mg/kg dry	0.573	0.573	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7439-89-6	**Iron**	**16700**		mg/kg dry	2.29	2.29	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7439-92-1	**Lead**	**4.87**		mg/kg dry	0.344	0.344	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7439-95-4	**Magnesium**	**5070**		mg/kg dry	5.73	5.73	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7439-96-5	**Manganese**	**377**		mg/kg dry	0.573	0.573	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-02-0	**Nickel**	**33.0**		mg/kg dry	0.573	0.573	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-09-7	**Potassium**	**1160**		mg/kg dry	5.73	5.73	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7782-49-2	**Selenium**	**1.34**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-22-4	Silver	ND		mg/kg dry	0.573	0.573	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-23-5	**Sodium**	**140**		mg/kg dry	11.5	11.5	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-62-2	**Vanadium**	**25.5**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW
7440-66-6	**Zinc**	**29.8**		mg/kg dry	1.15	1.15	1	EPA 6010C	06/13/2014 13:41	06/13/2014 17:45	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

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	0.0378	0.0378	1	EPA 7471B	06/17/2014 08:45	06/18/2014 12:53	AA

Sample Information

Client Sample ID: TP-7 8'

York Sample ID: 14F0505-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14F0505	WY07054.50	Soil	June 10, 2014 3:00 pm	06/12/2014

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	87.2		%	0.100	0.100	1	SM 2540G	06/17/2014 18:43	06/18/2014 15:31	AA

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14F0505-01	TP-1 0-2"	40mL Vial with Stir Bar-Cool 4° C
14F0505-02	TP-1 8.5'	40mL Vial with Stir Bar-Cool 4° C
14F0505-03	TP-2 0-2"	40mL Vial with Stir Bar-Cool 4° C
14F0505-04	TP-2 5'	40mL Vial with Stir Bar-Cool 4° C
14F0505-05	TP-3 0-2"	40mL Vial with Stir Bar-Cool 4° C
14F0505-06	TP-3 8.5'	40mL Vial with Stir Bar-Cool 4° C
14F0505-07	TP-4 0-2"	40mL Vial with Stir Bar-Cool 4° C
14F0505-08	TP-4 8.5'	40mL Vial with Stir Bar-Cool 4° C
14F0505-09	TP-5 0-2"	40mL Vial with Stir Bar-Cool 4° C
14F0505-10	TP-5 5'	40mL Vial with Stir Bar-Cool 4° C
14F0505-11	TP-6 0-2"	40mL Vial with Stir Bar-Cool 4° C
14F0505-12	TP-6 4'	40mL Vial with Stir Bar-Cool 4° C
14F0505-13	TP-7 0-2"	40mL Vial with Stir Bar-Cool 4° C
14F0505-14	TP-7 8'	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-MISpk	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The SRM was within acceptance limits, therefore data are acceptable.
M-LSRD	Original sample conc <50 X reporting limit.
M-HCSpk	Sample conc. >10 X spike conc.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. 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.

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. 14P0505

YOUR Information	**Report To:**	**Invoice To:**
Company: Ecosystems Strategies	Company: Richard	Company: Brenda
Address:	Address:	Address:
Phone No.	Phone No.	Phone No.
Contact Person:	Attention:	Attention:
E-Mail Address:	E-Mail Address:	E-Mail Address:

YOUR Project ID: WY0705-4.50

Purchase Order No.

Samples from: CT (NY) NJ

Turn-Around Time

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

Report Type

- Summary Report
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- **York Regulatory Comparison Excel Spreadsheet**

Compare to the following Regs. (please fill in):

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.

R [signature]
Samples Collected/Authorized By (Signature)

R. HOOKER
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxin/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
TP-1 0-2'	6/10/14	S	TCL VOCs, SVOCs, TAL Metals	2x4 oz + 4x4oz
TP-1 8-5'			Full TCL	
TP-2 0-2"			Full TCL	
TP-2 5'			TCL, VOCs, SVOCs, Tal Metals	
TP-3 0-2"			Full TCL	
TP-3 8-5'			Full TCL	
TP-4 0-2"			TCL VOCs, SVOCs, TAL Metals	
TP-4 8-5'			TCL VOC SVOCs TAL Metals	
TP-5 0-2"			Full TCL	
TP-5 5'			Full TCL	

Comments

Preservation Check those Applicable

Special Instructions

Field Filtered ☐
Lab to Filter ☐

4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____
ZnAc ____ Ascorbic Acid ____ Other ____

[signature]	6/12/14	[signature] 6-12-14	13:30
Samples Relinquished By	Date/Time	Samples Received By	Date/Time
		TC [signature] 6/12/14	1530
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time

Temperature on Receipt 4.1 °C

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

Field Chain-of-Custody Record

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

York Project No. 14F0505

YOUR Information	**Report To:**	**Invoice To:**
Company: EcoSystems Strategies	Company: Richard	Company: Brenda
Address:	Address:	Address:
Phone No.	Phone No.	Phone No.
Contact Person:	Attention:	Attention:
E-Mail Address:	E-Mail Address:	E-Mail Address:

YOUR Project ID: WY07054.50

Purchase Order No.

Samples from: CT (NY) NJ

Turn-Around Time

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

Report Type

- Summary Report
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- **York Regulatory Comparison Excel Spreadsheet**

Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

R. Hooper
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxin/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
TP-6 0-2"	6/10/14	S	TCL VOCs, SVOCs, TAL metals	2x40z + 4x40ml
TP-6 4'	↓	↓	TCL VOCs SVOCs TAL metals	
TP-7 0-2"			Full TCL	
TP-7 8'	↓	↓	TCL VOCs SVOCs TAL metals	↓

Comments

Preservation Check those Applicable

4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____
ZnAc ____ Ascorbic Acid ____ Other ____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Christina Chiarenza	6/12/14	Chris	6-12-14 13:30
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		TC Tahler	6/12/14 1530

Temperature on Receipt

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Report Date: 07/11/2014
Client Project ID: WY07054
York Project (SDG) No.: 14G0147

Report Date: 07/11/2014
Client Project ID: WY07054
York Project (SDG) No.: 14G0147

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

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 July 03, 2014 and listed below. The project was identified as your project: **WY07054**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14G0147-01	3B-1 2''	Soil	07/01/2014	07/03/2014
14G0147-02	3B-1 8.5'	Soil	07/01/2014	07/03/2014
14G0147-03	3B-2 2''	Soil	07/01/2014	07/03/2014
14G0147-04	3B-2 8.5'	Soil	07/01/2014	07/03/2014
14G0147-05	3B-2 18''	Soil	07/01/2014	07/03/2014
14G0147-06	3B-3 2'	Soil	07/01/2014	07/03/2014
14G0147-07	3B-3 15'	Soil	07/01/2014	07/03/2014
14G0147-08	3B-4 2''	Soil	07/01/2014	07/03/2014
14G0147-09	3B-4 8.5'	Soil	07/01/2014	07/03/2014
14G0147-10	3B-4 MS/MSD	Soil	07/01/2014	07/03/2014

General Notes for York Project (SDG) No.: 14G0147

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 07/11/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: 3B-1 2'' **York Sample ID:** 14G0147-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	8.5	34	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	8.5	34	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
78-93-3	2-Butanone	ND		ug/kg dry	8.5	34	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
591-78-6	2-Hexanone	ND		ug/kg dry	8.5	34	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
67-64-1	**Acetone**	**24**	J	ug/kg dry	8.5	34	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
71-43-2	Benzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
75-25-2	Bromoform	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
74-83-9	Bromomethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
75-00-3	Chloroethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
67-66-3	Chloroform	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
74-87-3	Chloromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
75-09-2	Methylene chloride	ND		ug/kg dry	8.5	34	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS

Sample Information

Client Sample ID: 3B-1 2" **York Sample ID:** 14G0147-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
91-20-3	Naphthalene	ND		ug/kg dry	8.5	34	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
95-47-6	o-Xylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	8.5	34	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
100-42-5	Styrene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
108-88-3	Toluene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	8.5	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.5	51	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:00	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.7 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*97.4 %*	*90-112*

Semi-Volatiles, EPA TCL 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	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
120-12-7	**Anthracene**	**79.9**	J	ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
56-55-3	**Benzo(a)anthracene**	**130**	J	ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
50-32-8	**Benzo(a)pyrene**	**68.5**	J	ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
205-99-2	**Benzo(b)fluoranthene**	**82.5**	J	ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
65-85-0	Benzoic acid	ND		ug/kg dry	130	380	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
207-08-9	**Benzo(k)fluoranthene**	**60.8**	J	ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR

Sample Information

Client Sample ID: **3B-1 2"** **York Sample ID:** **14G0147-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
218-01-9	**Chrysene**	**123**	J	ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	191	380	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	191	380	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
206-44-0	**Fluoranthene**	**311**		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
86-73-7	Fluorene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
78-59-1	Isophorone	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR

Sample Information

Client Sample ID: **3B-1 2"** **York Sample ID:** **14G0147-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	95.8	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
85-01-8	**Phenanthrene**	**275**		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
108-95-2	Phenol	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
129-00-0	**Pyrene**	**213**		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 18:55	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*62.0 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*71.4 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*45.3 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*52.1 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*63.8 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*56.5 %*	*10-137*

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**	**12900**		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-36-0	Antimony	ND		mg/kg dry	0.570	0.570	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-38-2	**Arsenic**	**2.35**		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-39-3	**Barium**	**68.7**		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.114	0.114	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.342	0.342	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-70-2	**Calcium**	**1060**		mg/kg dry	0.570	5.70	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-47-3	**Chromium**	**26.1**		mg/kg dry	0.570	0.570	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW

Sample Information

Client Sample ID: **3B-1 2''** **York Sample ID:** **14G0147-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

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
7440-48-4	**Cobalt**	**9.04**		mg/kg dry	0.570	0.570	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-50-8	**Copper**	**14.1**		mg/kg dry	0.570	0.570	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7439-89-6	**Iron**	**19600**		mg/kg dry	2.28	2.28	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7439-92-1	**Lead**	**19.0**		mg/kg dry	0.342	0.342	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7439-95-4	**Magnesium**	**2630**		mg/kg dry	5.70	5.70	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7439-96-5	**Manganese**	**264**		mg/kg dry	0.570	0.570	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-02-0	**Nickel**	**20.3**		mg/kg dry	0.570	0.570	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-09-7	**Potassium**	**482**		mg/kg dry	5.70	5.70	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7782-49-2	**Selenium**	**2.11**		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-22-4	Silver	ND		mg/kg dry	0.570	0.570	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-23-5	**Sodium**	**192**		mg/kg dry	11.4	11.4	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-28-0	Thallium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-62-2	**Vanadium**	**29.8**		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	MW
7440-66-6	**Zinc**	**28.7**		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:04	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**	**0.0306**		mg/kg dry	0.0304	0.0304	1	EPA 7473	07/09/2014 09:19	07/09/2014 13:04	AAkba

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**	**87.7**		%	0.100	0.100	1	SM 2540G	07/10/2014 09:06	07/11/2014 09:05	KK

Sample Information

Client Sample ID: **3B-1 8.5'** **York Sample ID:** **14G0147-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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

Sample Information

Client Sample ID: **3B-1 8.5'** **York Sample ID:** **14G0147-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.6	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.6	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
78-93-3	2-Butanone	ND		ug/kg dry	5.6	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
591-78-6	2-Hexanone	ND		ug/kg dry	5.6	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
67-64-1	**Acetone**	**42**		ug/kg dry	5.6	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
71-43-2	Benzene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
75-25-2	Bromoform	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
74-83-9	Bromomethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
75-00-3	Chloroethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
67-66-3	Chloroform	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
74-87-3	Chloromethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
75-09-2	**Methylene chloride**	**6.3**	J	ug/kg dry	5.6	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS

Sample Information

Client Sample ID: 3B-1 8.5' **York Sample ID:** 14G0147-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
91-20-3	Naphthalene	ND		ug/kg dry	5.6	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
95-47-6	o-Xylene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
100-42-5	Styrene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
108-88-3	Toluene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.6	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.6	33	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:28	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*98.5 %*	*90-112*

Semi-Volatiles, EPA TCL 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	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
120-12-7	Anthracene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
65-85-0	Benzoic acid	ND		ug/kg dry	126	369	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR

Sample Information

Client Sample ID: 3B-1 8.5' **York Sample ID:** 14G0147-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
218-01-9	Chrysene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	185	369	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	185	369	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
206-44-0	Fluoranthene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
86-73-7	Fluorene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
78-59-1	Isophorone	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR

Sample Information

Client Sample ID: **3B-1 8.5'** **York Sample ID:** **14G0147-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
95-48-7	2-Methylphenol	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
91-20-3	Naphthalene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	93.0	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
85-01-8	Phenanthrene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
108-95-2	Phenol	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
129-00-0	Pyrene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.5	185	1	EPA 8270D	07/10/2014 07:06	07/10/2014 15:50	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*58.8 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*66.3 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*48.4 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*46.5 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*57.4 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*48.7 %*	*10-137*

Sample Information

Client Sample ID: **3B-1 8.5'** **York Sample ID:** **14G0147-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

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
7429-90-5	**Aluminum**	**8140**		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-36-0	Antimony	ND		mg/kg dry	0.554	0.554	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-38-2	Arsenic	ND		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-39-3	**Barium**	**53.8**		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.111	0.111	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.332	0.332	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-70-2	**Calcium**	**717**		mg/kg dry	0.554	5.54	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-47-3	**Chromium**	**19.1**		mg/kg dry	0.554	0.554	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-48-4	**Cobalt**	**6.45**		mg/kg dry	0.554	0.554	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-50-8	**Copper**	**21.1**		mg/kg dry	0.554	0.554	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7439-89-6	**Iron**	**10800**		mg/kg dry	2.21	2.21	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7439-92-1	**Lead**	**2.47**		mg/kg dry	0.332	0.332	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7439-95-4	**Magnesium**	**2090**		mg/kg dry	5.54	5.54	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7439-96-5	**Manganese**	**300**		mg/kg dry	0.554	0.554	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-02-0	**Nickel**	**18.1**		mg/kg dry	0.554	0.554	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-09-7	**Potassium**	**657**		mg/kg dry	5.54	5.54	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7782-49-2	**Selenium**	**1.47**		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-22-4	Silver	ND		mg/kg dry	0.554	0.554	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-23-5	**Sodium**	**250**		mg/kg dry	11.1	11.1	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-28-0	Thallium	ND		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-62-2	**Vanadium**	**22.6**		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	MW
7440-66-6	**Zinc**	**16.1**		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:09	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	0.0316	0.0316	1	EPA 7473	07/09/2014 09:19	07/09/2014 13:14	AAkba

Sample Information

Client Sample ID: **3B-1 8.5'** **York Sample ID:** **14G0147-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.3**		%	0.100	0.100	1	SM 2540G	07/10/2014 09:06	07/11/2014 09:05	KK

Sample Information

Client Sample ID: **3B-2 2''** **York Sample ID:** **14G0147-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.2	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
95-63-6	**1,2,4-Trimethylbenzene**	**11**		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
108-67-8	**1,3,5-Trimethylbenzene**	**6.4**		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
78-93-3	**2-Butanone**	**35**		ug/kg dry	3.2	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
591-78-6	2-Hexanone	ND		ug/kg dry	3.2	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
67-64-1	**Acetone**	**140**		ug/kg dry	3.2	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
71-43-2	**Benzene**	**7.4**		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
75-25-2	Bromoform	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS

Sample Information

Client Sample ID: **3B-2 2"** **York Sample ID:** **14G0147-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
67-66-3	Chloroform	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
100-41-4	**Ethyl Benzene**	**4.8**	J	ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
75-09-2	Methylene chloride	ND		ug/kg dry	3.2	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
91-20-3	Naphthalene	ND		ug/kg dry	3.2	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
103-65-1	**n-Propylbenzene**	**4.2**	J	ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
95-47-6	**o-Xylene**	**5.0**	J	ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
179601-23-1	**p- & m- Xylenes**	**30**		ug/kg dry	3.2	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
135-98-8	**sec-Butylbenzene**	**4.1**	J	ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
100-42-5	Styrene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
108-88-3	**Toluene**	**5.9**	J	ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.2	6.3	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS
1330-20-7	**Xylenes, Total**	**35**		ug/kg dry	3.2	19	1	EPA 8260C	07/07/2014 16:58	07/08/2014 00:58	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*80.0 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*108 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*90-112*

Sample Information

Client Sample ID: 3B-2 2"

York Sample ID: 14G0147-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
120-12-7	Anthracene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
65-85-0	Benzoic acid	ND		ug/kg dry	139	407	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
218-01-9	Chrysene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	204	406	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	204	407	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR

Sample Information

Client Sample ID: 3B-2 2" **York Sample ID:** 14G0147-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
206-44-0	Fluoranthene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
86-73-7	Fluorene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
78-59-1	Isophorone	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
91-20-3	Naphthalene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	102	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
85-01-8	Phenanthrene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
108-95-2	Phenol	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
129-00-0	Pyrene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	51.2	203	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:21	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*54.1 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*61.9 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*48.2 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*29.8 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*51.6 %*	*10-150*

Sample Information

Client Sample ID: **3B-2 2"** **York Sample ID:** **14G0147-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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*	*47.7 %*			*10-137*						

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**	**12500**		mg/kg dry	1.22	1.22	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-36-0	Antimony	ND		mg/kg dry	0.610	0.610	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-38-2	**Arsenic**	**2.30**		mg/kg dry	1.22	1.22	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-39-3	**Barium**	**66.9**		mg/kg dry	1.22	1.22	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.122	0.122	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.366	0.366	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-70-2	**Calcium**	**3960**		mg/kg dry	0.610	6.10	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-47-3	**Chromium**	**27.7**		mg/kg dry	0.610	0.610	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-48-4	**Cobalt**	**5.96**		mg/kg dry	0.610	0.610	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-50-8	**Copper**	**16.6**		mg/kg dry	0.610	0.610	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7439-89-6	**Iron**	**17300**		mg/kg dry	2.44	2.44	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7439-92-1	**Lead**	**88.3**		mg/kg dry	0.366	0.366	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7439-95-4	**Magnesium**	**2590**		mg/kg dry	6.10	6.10	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7439-96-5	**Manganese**	**191**		mg/kg dry	0.610	0.610	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-02-0	**Nickel**	**17.9**		mg/kg dry	0.610	0.610	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-09-7	**Potassium**	**416**		mg/kg dry	6.10	6.10	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7782-49-2	**Selenium**	**1.77**		mg/kg dry	1.22	1.22	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-22-4	Silver	ND		mg/kg dry	0.610	0.610	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-23-5	**Sodium**	**161**		mg/kg dry	12.2	12.2	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-28-0	Thallium	ND		mg/kg dry	1.22	1.22	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-62-2	**Vanadium**	**27.2**		mg/kg dry	1.22	1.22	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW
7440-66-6	**Zinc**	**53.8**		mg/kg dry	1.22	1.22	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:13	MW

Sample Information

Client Sample ID: 3B-2 2'' **York Sample ID:** 14G0147-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.133**		mg/kg dry	0.0366	0.0366	1	EPA 7473	07/09/2014 09:19	07/09/2014 13:25	AAkba

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**82.0**		%	0.100	0.100	1	SM 2540G	07/10/2014 09:06	07/11/2014 09:05	KK

Sample Information

Client Sample ID: 3B-2 8.5' **York Sample ID:** 14G0147-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound List)

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

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.7	15	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
95-63-6	**1,2,4-Trimethylbenzene**	**100**		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.7	15	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
108-67-8	**1,3,5-Trimethylbenzene**	**31**		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.7	15	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
591-78-6	**2-Hexanone**	**19**		ug/kg dry	3.7	15	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS

Sample Information

Client Sample ID: **3B-2 8.5'** **York Sample ID:** **14G0147-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
67-64-1	**Acetone**	**48**		ug/kg dry	3.7	15	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
71-43-2	Benzene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
75-25-2	Bromoform	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
67-66-3	Chloroform	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
100-41-4	**Ethyl Benzene**	**26**		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
75-09-2	Methylene chloride	ND		ug/kg dry	3.7	15	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
91-20-3	**Naphthalene**	**18**	B	ug/kg dry	3.7	15	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
103-65-1	**n-Propylbenzene**	**17**		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
95-47-6	**o-Xylene**	**24**		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
179601-23-1	**p- & m- Xylenes**	**74**		ug/kg dry	3.7	15	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
100-42-5	Styrene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
108-88-3	Toluene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS
1330-20-7	**Xylenes, Total**	**98**		ug/kg dry	3.7	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:26	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*76.7 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.3 %*	*75-127*

Sample Information

Client Sample ID: **3B-2 8.5'** **York Sample ID:** **14G0147-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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, EPA TCL 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	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
120-12-7	Anthracene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
65-85-0	Benzoic acid	ND		ug/kg dry	127	371	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
95-57-8	**2-Chlorophenol**	**479**		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
218-01-9	Chrysene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	186	371	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR

Sample Information

Client Sample ID: **3B-2 8.5'** **York Sample ID:** **14G0147-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	186	371	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
206-44-0	Fluoranthene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
86-73-7	**Fluorene**	**48.7**	J	ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
78-59-1	Isophorone	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
91-57-6	**2-Methylnaphthalene**	**486**		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
91-20-3	**Naphthalene**	**255**		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	93.6	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
85-01-8	**Phenanthrene**	**69.4**	J	ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
108-95-2	Phenol	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
129-00-0	Pyrene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.8	186	1	EPA 8270D	07/10/2014 07:06	07/10/2014 16:51	SR

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: 3B-2 8.5' **York Sample ID:** 14G0147-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
367-12-4	*Surrogate: 2-Fluorophenol*	*59.4 %*			*10-105*						
4165-62-2	*Surrogate: Phenol-d5*	*58.1 %*			*10-118*						
4165-60-0	*Surrogate: Nitrobenzene-d5*	*53.9 %*			*10-140*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*49.2 %*			*10-126*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*61.1 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*53.6 %*			*10-137*						

Pesticides/PCBs, EPA TCL List

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

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	93.0	93.0	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.19	9.19	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
72-20-8	Endrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
33213-65-9	* Endosulfan II	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.35	7.35	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
309-00-2	Aldrin	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.84	1.84	5	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 10:51	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	18.9	18.9	1	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 13:58	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	18.9	18.9	1	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 13:58	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	18.9	18.9	1	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 13:58	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	18.9	18.9	1	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 13:58	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	18.9	18.9	1	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 13:58	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	18.9	18.9	1	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 13:58	JW

Sample Information

Client Sample ID: **3B-2 8.5'** **York Sample ID:** **14G0147-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Pesticides/PCBs, EPA TCL List

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

Sample Prepared by Method: EPA 3550C

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/kg dry	18.9	18.9	1	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 13:58	JW
1336-36-3	* Total PCBs	ND		ug/kg dry	7.58	18.9	1	EPA 8081B/8082A	07/09/2014 16:00	07/10/2014 13:58	JW

Surrogate Recoveries		Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*61.2 %*	*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**	**10200**		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-36-0	Antimony	ND		mg/kg dry	0.557	0.557	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-38-2	Arsenic	ND		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-39-3	**Barium**	**71.1**		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.111	0.111	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.334	0.334	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-70-2	**Calcium**	**1290**		mg/kg dry	0.557	5.57	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-47-3	**Chromium**	**26.9**		mg/kg dry	0.557	0.557	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-48-4	**Cobalt**	**8.97**		mg/kg dry	0.557	0.557	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-50-8	**Copper**	**29.6**		mg/kg dry	0.557	0.557	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7439-89-6	**Iron**	**16900**		mg/kg dry	2.23	2.23	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7439-92-1	**Lead**	**4.35**		mg/kg dry	0.334	0.334	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7439-95-4	**Magnesium**	**3870**		mg/kg dry	5.57	5.57	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7439-96-5	**Manganese**	**357**		mg/kg dry	0.557	0.557	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-02-0	**Nickel**	**26.0**		mg/kg dry	0.557	0.557	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-09-7	**Potassium**	**1850**		mg/kg dry	5.57	5.57	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7782-49-2	**Selenium**	**2.06**		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-22-4	Silver	ND		mg/kg dry	0.557	0.557	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-23-5	**Sodium**	**206**		mg/kg dry	11.1	11.1	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-28-0	Thallium	ND		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-62-2	**Vanadium**	**47.2**		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW
7440-66-6	**Zinc**	**33.5**		mg/kg dry	1.11	1.11	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:18	MW

Sample Information

Client Sample ID: **3B-2 8.5'** **York Sample ID:** **14G0147-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

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	0.0301	0.0301	1	EPA 7473	07/09/2014 09:19	07/09/2014 13:35	AAkba

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**	**89.8**		%	0.100	0.100	1	SM 2540G	07/10/2014 09:06	07/11/2014 09:05	KK

Cyanide, Total

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

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.557	0.557	1	EPA 9014/9010C	07/11/2014 08:29	07/11/2014 14:20	AD

Sample Information

Client Sample ID: **3B-2 18''** **York Sample ID:** **14G0147-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.0	12	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
95-63-6	**1,2,4-Trimethylbenzene**	**13**		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.0	12	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS

Sample Information

Client Sample ID: **3B-2 18"** **York Sample ID:** **14G0147-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
108-67-8	**1,3,5-Trimethylbenzene**	**3.5**	J	ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.0	12	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
591-78-6	2-Hexanone	ND		ug/kg dry	3.0	12	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
67-64-1	**Acetone**	**14**		ug/kg dry	3.0	12	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
71-43-2	**Benzene**	**7.6**		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
75-25-2	Bromoform	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
67-66-3	Chloroform	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
100-41-4	**Ethyl Benzene**	**8.9**		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
75-09-2	Methylene chloride	ND		ug/kg dry	3.0	12	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
91-20-3	**Naphthalene**	**4.4**	J, B	ug/kg dry	3.0	12	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
95-47-6	**o-Xylene**	**4.2**	J	ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
179601-23-1	**p- & m- Xylenes**	**15**		ug/kg dry	3.0	12	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
100-42-5	Styrene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
108-88-3	**Toluene**	**7.1**		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS

Sample Information

Client Sample ID: 3B-2 18''

York Sample ID: 14G0147-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
79-01-6	Trichloroethylene	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS
1330-20-7	**Xylenes, Total**	**19**		ug/kg dry	3.0	18	1	EPA 8260C	07/07/2014 16:58	07/08/2014 01:55	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*92.3 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*90-112*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**94.7**		%	0.100	0.100	1	SM 2540G	07/10/2014 09:06	07/11/2014 09:05	KK

Sample Information

Client Sample ID: 3B-3 2'

York Sample ID: 14G0147-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	4.9	19	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4.9	19	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS

Sample Information

Client Sample ID: 3B-3 2' **York Sample ID:** 14G0147-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
78-93-3	2-Butanone	ND		ug/kg dry	4.9	19	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
591-78-6	2-Hexanone	ND		ug/kg dry	4.9	19	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
67-64-1	**Acetone**	**28**		ug/kg dry	4.9	19	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
71-43-2	Benzene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
75-25-2	Bromoform	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
74-83-9	Bromomethane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
75-00-3	Chloroethane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
67-66-3	Chloroform	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
74-87-3	Chloromethane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.9	19	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
91-20-3	Naphthalene	ND		ug/kg dry	4.9	19	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
95-47-6	o-Xylene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.9	19	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
100-42-5	Styrene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
108-88-3	Toluene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS

Sample Information

Client Sample ID: 3B-3 2' **York Sample ID:** 14G0147-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
79-01-6	Trichloroethylene	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	4.9	9.7	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.9	29	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:25	SS
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*		*67-130*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*116 %*		*75-127*							
2037-26-5	*Surrogate: Toluene-d8*	*105 %*		*90-112*							

Semi-Volatiles, EPA TCL 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	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
120-12-7	Anthracene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
56-55-3	**Benzo(a)anthracene**	**2330**	J	ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
65-85-0	Benzoic acid	ND		ug/kg dry	6080	17800	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
218-01-9	Chrysene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR

Sample Information

Client Sample ID: **3B-3 2'** **York Sample ID:** **14G0147-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	8910	17800	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	8910	17800	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
206-44-0	**Fluoranthene**	**4160**	J	ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
86-73-7	Fluorene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
78-59-1	Isophorone	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
91-20-3	Naphthalene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	4480	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR

Sample Information

Client Sample ID: **3B-3 2'** **York Sample ID:** **14G0147-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
85-01-8	**Phenanthrene**	**2420**	J	ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
108-95-2	Phenol	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
129-00-0	**Pyrene**	**2970**	J	ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	2240	8890	10	EPA 8270D	07/10/2014 07:06	07/10/2014 18:24	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*31.2 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*49.1 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*52.0 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*52.8 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*2.67 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*53.7 %*	*10-137*

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**	**8150**		mg/kg dry	1.07	1.07	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-36-0	Antimony	ND		mg/kg dry	0.534	0.534	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-38-2	**Arsenic**	**2.77**		mg/kg dry	1.07	1.07	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-39-3	**Barium**	**94.8**		mg/kg dry	1.07	1.07	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.320	0.320	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-70-2	**Calcium**	**32300**		mg/kg dry	0.534	5.34	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-47-3	**Chromium**	**19.0**		mg/kg dry	0.534	0.534	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-48-4	**Cobalt**	**8.08**		mg/kg dry	0.534	0.534	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-50-8	**Copper**	**30.2**		mg/kg dry	0.534	0.534	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7439-89-6	**Iron**	**15700**		mg/kg dry	2.13	2.13	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7439-92-1	**Lead**	**55.1**		mg/kg dry	0.320	0.320	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7439-95-4	**Magnesium**	**7640**		mg/kg dry	5.34	5.34	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7439-96-5	**Manganese**	**244**		mg/kg dry	0.534	0.534	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-02-0	**Nickel**	**18.4**		mg/kg dry	0.534	0.534	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-09-7	**Potassium**	**1950**		mg/kg dry	5.34	5.34	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7782-49-2	**Selenium**	**1.31**		mg/kg dry	1.07	1.07	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-22-4	Silver	ND		mg/kg dry	0.534	0.534	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-23-5	**Sodium**	**243**		mg/kg dry	10.7	10.7	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW

Sample Information

Client Sample ID: 3B-3 2' **York Sample ID:** 14G0147-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

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
7440-62-2	**Vanadium**	**37.8**		mg/kg dry	1.07	1.07	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	MW
7440-66-6	**Zinc**	**82.2**		mg/kg dry	1.07	1.07	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:23	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**	**0.102**		mg/kg dry	0.0303	0.0303	1	EPA 7473	07/09/2014 09:19	07/09/2014 13:46	AAkba

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**	**93.7**		%	0.100	0.100	1	SM 2540G	07/10/2014 09:06	07/11/2014 09:05	KK

Sample Information

Client Sample ID: 3B-3 15' **York Sample ID:** 14G0147-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	4.3	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4.3	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS

Sample Information

Client Sample ID: 3B-3 15' **York Sample ID:** 14G0147-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
78-93-3	2-Butanone	ND		ug/kg dry	4.3	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
591-78-6	2-Hexanone	ND		ug/kg dry	4.3	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
67-64-1	**Acetone**	**52**		ug/kg dry	4.3	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
71-43-2	Benzene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
75-25-2	Bromoform	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
74-83-9	Bromomethane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
75-00-3	Chloroethane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
67-66-3	Chloroform	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
74-87-3	Chloromethane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
75-09-2	**Methylene chloride**	**6.0**	J	ug/kg dry	4.3	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
91-20-3	Naphthalene	ND		ug/kg dry	4.3	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
95-47-6	o-Xylene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.3	17	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
100-42-5	Styrene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
108-88-3	Toluene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS

Sample Information

Client Sample ID: 3B-3 15' **York Sample ID:** 14G0147-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	4.3	8.6	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.3	26	1	EPA 8260C	07/07/2014 16:58	07/08/2014 02:54	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.2 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*96.5 %*	*90-112*

Semi-Volatiles, EPA TCL 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	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
120-12-7	Anthracene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
65-85-0	Benzoic acid	ND		ug/kg dry	128	376	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
218-01-9	Chrysene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR

Sample Information

Client Sample ID: 3B-3 15' **York Sample ID:** 14G0147-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	188	375	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	188	376	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
206-44-0	Fluoranthene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
86-73-7	Fluorene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
78-59-1	Isophorone	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	94.6	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
85-01-8	Phenanthrene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR

Sample Information

Client Sample ID: **3B-3 15'** **York Sample ID:** **14G0147-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
108-95-2	Phenol	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
129-00-0	Pyrene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.3	188	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:22	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*50.8 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*59.5 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*42.7 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*46.2 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*57.5 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*50.5 %*	*10-137*

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**	**19000**		mg/kg dry	1.13	1.13	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-36-0	Antimony	ND		mg/kg dry	0.563	0.563	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-38-2	**Arsenic**	**7.25**		mg/kg dry	1.13	1.13	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-39-3	**Barium**	**169**		mg/kg dry	1.13	1.13	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.113	0.113	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.338	0.338	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-70-2	**Calcium**	**4440**		mg/kg dry	0.563	5.63	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-47-3	**Chromium**	**63.0**		mg/kg dry	0.563	0.563	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-48-4	**Cobalt**	**53.5**		mg/kg dry	0.563	0.563	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-50-8	**Copper**	**250**		mg/kg dry	0.563	0.563	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7439-89-6	**Iron**	**77600**		mg/kg dry	11.3	11.3	5	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7439-92-1	**Lead**	**29.8**		mg/kg dry	0.338	0.338	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7439-95-4	**Magnesium**	**12400**		mg/kg dry	5.63	5.63	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7439-96-5	**Manganese**	**556**		mg/kg dry	0.563	0.563	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-02-0	**Nickel**	**101**		mg/kg dry	0.563	0.563	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-09-7	**Potassium**	**7600**		mg/kg dry	5.63	5.63	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7782-49-2	**Selenium**	**1.18**		mg/kg dry	1.13	1.13	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-22-4	Silver	ND		mg/kg dry	0.563	0.563	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-23-5	**Sodium**	**184**		mg/kg dry	11.3	11.3	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW
7440-62-2	**Vanadium**	**133**		mg/kg dry	1.13	1.13	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	MW

Sample Information

Client Sample ID: 3B-3 15' **York Sample ID:** 14G0147-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

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**	**84.9**		mg/kg dry	1.13	1.13	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:27	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	0.0344	0.0344	1	EPA 7473	07/09/2014 09:19	07/09/2014 13:56	AAkba

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**	**88.8**		%	0.100	0.100	1	SM 2540G	07/10/2014 09:06	07/11/2014 09:05	KK

Sample Information

Client Sample ID: 3B-4 2'' **York Sample ID:** 14G0147-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.3	21	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.3	21	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS

Sample Information

Client Sample ID: 3B-4 2"

York Sample ID: 14G0147-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
78-93-3	2-Butanone	ND		ug/kg dry	5.3	21	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
591-78-6	2-Hexanone	ND		ug/kg dry	5.3	21	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
67-64-1	**Acetone**	**41**		ug/kg dry	5.3	21	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
71-43-2	Benzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
75-25-2	Bromoform	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
74-83-9	Bromomethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
75-00-3	Chloroethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
67-66-3	Chloroform	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
74-87-3	Chloromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	21	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
91-20-3	Naphthalene	ND		ug/kg dry	5.3	21	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
95-47-6	o-Xylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	21	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
100-42-5	Styrene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
108-88-3	Toluene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS

Sample Information

Client Sample ID: **3B-4 2"** **York Sample ID:** **14G0147-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.3	32	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:23	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.8 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*90-112*

Semi-Volatiles, EPA TCL 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	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
120-12-7	Anthracene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
65-85-0	Benzoic acid	ND		ug/kg dry	132	386	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
218-01-9	Chrysene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR

Sample Information

Client Sample ID: 3B-4 2"

York Sample ID: 14G0147-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	193	385	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	193	386	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
206-44-0	Fluoranthene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
86-73-7	Fluorene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
78-59-1	Isophorone	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
91-20-3	Naphthalene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	97.2	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
85-01-8	Phenanthrene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR

Sample Information

Client Sample ID: **3B-4 2"** **York Sample ID:** **14G0147-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
108-95-2	Phenol	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
129-00-0	Pyrene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	48.6	193	1	EPA 8270D	07/10/2014 07:06	07/10/2014 17:53	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*48.1 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*57.5 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*44.1 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*41.7 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*52.0 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*45.0 %*	*10-137*

Metals, Target Analyte

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

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10600**		mg/kg dry	1.16	1.16	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-36-0	Antimony	ND		mg/kg dry	0.579	0.579	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-38-2	**Arsenic**	**2.31**		mg/kg dry	1.16	1.16	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-39-3	**Barium**	**79.7**		mg/kg dry	1.16	1.16	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.116	0.116	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.347	0.347	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-70-2	**Calcium**	**1360**		mg/kg dry	0.579	5.79	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-47-3	**Chromium**	**34.2**		mg/kg dry	0.579	0.579	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-48-4	**Cobalt**	**12.2**		mg/kg dry	0.579	0.579	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-50-8	**Copper**	**26.4**		mg/kg dry	0.579	0.579	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7439-89-6	**Iron**	**23100**		mg/kg dry	2.32	2.32	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7439-92-1	**Lead**	**4.25**		mg/kg dry	0.347	0.347	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7439-95-4	**Magnesium**	**3430**		mg/kg dry	5.79	5.79	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7439-96-5	**Manganese**	**290**		mg/kg dry	0.579	0.579	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-02-0	**Nickel**	**27.4**		mg/kg dry	0.579	0.579	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-09-7	**Potassium**	**1220**		mg/kg dry	5.79	5.79	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7782-49-2	**Selenium**	**2.61**		mg/kg dry	1.16	1.16	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-22-4	Silver	ND		mg/kg dry	0.579	0.579	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-23-5	**Sodium**	**129**		mg/kg dry	11.6	11.6	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-28-0	Thallium	ND		mg/kg dry	1.16	1.16	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW
7440-62-2	**Vanadium**	**40.5**		mg/kg dry	1.16	1.16	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	MW

Sample Information

Client Sample ID: **3B-4 2''** **York Sample ID:** **14G0147-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

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**	**30.0**		mg/kg dry	1.16	1.16	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:35	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	0.0358	0.0358	1	EPA 7473	07/09/2014 09:19	07/09/2014 14:07	AAkba

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**	**86.4**		%	0.100	0.100	1	SM 2540G	07/10/2014 09:06	07/11/2014 09:05	KK

Sample Information

Client Sample ID: **3B-4 8.5'** **York Sample ID:** **14G0147-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	11	43	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	11	43	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS

Sample Information

Client Sample ID: 3B-4 8.5' **York Sample ID:** 14G0147-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
78-93-3	2-Butanone	ND		ug/kg dry	11	43	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
591-78-6	2-Hexanone	ND		ug/kg dry	11	43	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
67-64-1	**Acetone**	**52**		ug/kg dry	11	43	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
71-43-2	Benzene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
75-25-2	Bromoform	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
74-83-9	Bromomethane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
75-00-3	Chloroethane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
67-66-3	Chloroform	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
74-87-3	Chloromethane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
75-09-2	Methylene chloride	ND		ug/kg dry	11	43	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
91-20-3	Naphthalene	ND		ug/kg dry	11	43	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
95-47-6	o-Xylene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	11	43	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
100-42-5	Styrene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
108-88-3	Toluene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS

Sample Information

Client Sample ID: 3B-4 8.5' **York Sample ID:** 14G0147-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	11	22	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	11	65	1	EPA 8260C	07/07/2014 16:58	07/08/2014 03:51	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.6 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*96.9 %*	*90-112*

Semi-Volatiles, EPA TCL 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	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
120-12-7	Anthracene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
65-85-0	Benzoic acid	ND		ug/kg dry	130	381	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
218-01-9	Chrysene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR

Sample Information

Client Sample ID: 3B-4 8.5' **York Sample ID:** 14G0147-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	191	380	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	191	381	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
206-44-0	Fluoranthene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
86-73-7	Fluorene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
78-59-1	Isophorone	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
91-20-3	Naphthalene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	95.9	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
85-01-8	Phenanthrene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR

Sample Information

Client Sample ID: **3B-4 8.5'** **York Sample ID:** **14G0147-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
108-95-2	Phenol	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
129-00-0	Pyrene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	48.0	190	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:25	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*41.1 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*45.4 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*33.7 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*32.5 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*46.2 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*44.4 %*	*10-137*

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**	**9460**		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-36-0	Antimony	ND		mg/kg dry	0.571	0.571	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-38-2	**Arsenic**	**2.69**		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-39-3	**Barium**	**69.0**		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.114	0.114	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.343	0.343	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-70-2	**Calcium**	**1500**		mg/kg dry	0.571	5.71	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-47-3	**Chromium**	**31.7**		mg/kg dry	0.571	0.571	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-48-4	**Cobalt**	**10.7**		mg/kg dry	0.571	0.571	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-50-8	**Copper**	**25.8**		mg/kg dry	0.571	0.571	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7439-89-6	**Iron**	**18800**		mg/kg dry	2.28	2.28	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7439-92-1	**Lead**	**17.7**		mg/kg dry	0.343	0.343	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7439-95-4	**Magnesium**	**3530**		mg/kg dry	5.71	5.71	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7439-96-5	**Manganese**	**298**		mg/kg dry	0.571	0.571	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-02-0	**Nickel**	**24.8**		mg/kg dry	0.571	0.571	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-09-7	**Potassium**	**881**		mg/kg dry	5.71	5.71	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7782-49-2	**Selenium**	**2.39**		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-22-4	Silver	ND		mg/kg dry	0.571	0.571	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-23-5	**Sodium**	**124**		mg/kg dry	11.4	11.4	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-28-0	Thallium	ND		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW
7440-62-2	**Vanadium**	**35.9**		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	MW

Sample Information

Client Sample ID: 3B-4 8.5' **York Sample ID:** 14G0147-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

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**	**37.5**		mg/kg dry	1.14	1.14	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:39	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	0.0310	0.0310	1	EPA 7473	07/09/2014 09:19	07/09/2014 14:17	AAkba

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**	**87.6**		%	0.100	0.100	1	SM 2540G	07/10/2014 09:06	07/11/2014 09:05	KK

Sample Information

Client Sample ID: 3B-4 MS/MSD **York Sample ID:** 14G0147-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	6.6	26	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	6.6	26	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS

Sample Information

Client Sample ID: 3B-4 MS/MSD **York Sample ID:** 14G0147-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
78-93-3	2-Butanone	ND		ug/kg dry	6.6	26	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
591-78-6	2-Hexanone	ND		ug/kg dry	6.6	26	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
67-64-1	**Acetone**	**40**		ug/kg dry	6.6	26	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
71-43-2	Benzene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
75-25-2	Bromoform	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
74-83-9	Bromomethane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
75-00-3	Chloroethane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
67-66-3	Chloroform	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
74-87-3	Chloromethane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
75-09-2	Methylene chloride	ND		ug/kg dry	6.6	26	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
91-20-3	Naphthalene	ND		ug/kg dry	6.6	26	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
95-47-6	o-Xylene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.6	26	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
100-42-5	Styrene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
108-88-3	Toluene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS

Sample Information

Client Sample ID: 3B-4 MS/MSD **York Sample ID:** 14G0147-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Volatile Organics, TCL (Target Compound 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
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	6.6	13	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.6	39	1	EPA 8260C	07/07/2014 16:58	07/08/2014 04:20	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.6 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*90-112*

Semi-Volatiles, EPA TCL 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	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
120-12-7	Anthracene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
65-85-0	Benzoic acid	ND		ug/kg dry	136	399	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
218-01-9	Chrysene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR

Sample Information

Client Sample ID: 3B-4 MS/MSD **York Sample ID:** 14G0147-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	200	399	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	200	399	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
206-44-0	Fluoranthene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
86-73-7	Fluorene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
78-59-1	Isophorone	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
91-20-3	Naphthalene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	101	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
85-01-8	Phenanthrene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR

Sample Information

Client Sample ID: **3B-4 MS/MSD** **York Sample ID:** **14G0147-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

Semi-Volatiles, EPA TCL 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
108-95-2	Phenol	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
129-00-0	Pyrene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	50.3	199	1	EPA 8270D	07/10/2014 07:06	07/10/2014 19:56	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*54.0 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*64.6 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*45.3 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*47.9 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*52.1 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*53.7 %*	*10-137*

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**	**11400**		mg/kg dry	1.20	1.20	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-36-0	Antimony	ND		mg/kg dry	0.598	0.598	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-38-2	**Arsenic**	**2.39**		mg/kg dry	1.20	1.20	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-39-3	**Barium**	**73.4**		mg/kg dry	1.20	1.20	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.120	0.120	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.359	0.359	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-70-2	**Calcium**	**1950**		mg/kg dry	0.598	5.98	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-47-3	**Chromium**	**47.8**		mg/kg dry	0.598	0.598	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-48-4	**Cobalt**	**11.5**		mg/kg dry	0.598	0.598	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-50-8	**Copper**	**25.5**		mg/kg dry	0.598	0.598	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7439-89-6	**Iron**	**22100**		mg/kg dry	2.39	2.39	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7439-92-1	**Lead**	**15.3**		mg/kg dry	0.359	0.359	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7439-95-4	**Magnesium**	**5050**		mg/kg dry	5.98	5.98	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7439-96-5	**Manganese**	**283**		mg/kg dry	0.598	0.598	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-02-0	**Nickel**	**32.3**		mg/kg dry	0.598	0.598	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-09-7	**Potassium**	**1130**		mg/kg dry	5.98	5.98	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7782-49-2	**Selenium**	**2.71**		mg/kg dry	1.20	1.20	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-22-4	Silver	ND		mg/kg dry	0.598	0.598	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-23-5	**Sodium**	**140**		mg/kg dry	12.0	12.0	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-28-0	Thallium	ND		mg/kg dry	1.20	1.20	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW
7440-62-2	**Vanadium**	**44.0**		mg/kg dry	1.20	1.20	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	MW

Sample Information

Client Sample ID: 3B-4 MS/MSD **York Sample ID:** 14G0147-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0147	WY07054	Soil	July 1, 2014 3:00 pm	07/03/2014

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**	**41.2**		mg/kg dry	1.20	1.20	1	EPA 6010C	07/09/2014 08:37	07/09/2014 10:56	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	0.0338	0.0338	1	EPA 7473	07/09/2014 09:19	07/09/2014 15:39	AA

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**	**83.6**		%	0.100	0.100	1	SM 2540G	07/10/2014 09:06	07/11/2014 09:05	KK

Analytical Batch Summary

Batch ID: BG40228 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14G0147-01	3B-1 2"	07/07/14
14G0147-02	3B-1 8.5'	07/07/14
14G0147-03	3B-2 2"	07/07/14
14G0147-04	3B-2 8.5'	07/07/14
14G0147-05	3B-2 18"	07/07/14
14G0147-06	3B-3 2'	07/07/14
14G0147-07	3B-3 15'	07/07/14
14G0147-08	3B-4 2"	07/07/14
14G0147-09	3B-4 8.5'	07/07/14
14G0147-10	3B-4 MS/MSD	07/07/14
BG40228-BLK1	Blank	07/07/14
BG40228-BS1	LCS	07/07/14
BG40228-BSD1	LCS Dup	07/07/14
BG40228-MS1	Matrix Spike	07/07/14
BG40228-MSD1	Matrix Spike Dup	07/07/14

Batch ID: BG40342 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14G0147-01	3B-1 2"	07/09/14
14G0147-02	3B-1 8.5'	07/09/14
14G0147-03	3B-2 2"	07/09/14
14G0147-04	3B-2 8.5'	07/09/14
14G0147-06	3B-3 2'	07/09/14
14G0147-07	3B-3 15'	07/09/14
14G0147-08	3B-4 2"	07/09/14
14G0147-09	3B-4 8.5'	07/09/14
14G0147-10	3B-4 MS/MSD	07/09/14
BG40342-BLK1	Blank	07/09/14
BG40342-DUP1	Duplicate	07/09/14
BG40342-MS1	Matrix Spike	07/09/14
BG40342-SRM1	Reference	07/09/14

Batch ID: BG40349 **Preparation Method:** EPA 7473 soil **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
14G0147-01	3B-1 2"	07/09/14
14G0147-02	3B-1 8.5'	07/09/14
14G0147-03	3B-2 2"	07/09/14
14G0147-04	3B-2 8.5'	07/09/14
14G0147-06	3B-3 2'	07/09/14
14G0147-07	3B-3 15'	07/09/14
14G0147-08	3B-4 2"	07/09/14
14G0147-09	3B-4 8.5'	07/09/14
14G0147-10	3B-4 MS/MSD	07/09/14

BG40349-BLK1	Blank	07/09/14
BG40349-DUP1	Duplicate	07/09/14
BG40349-MS1	Matrix Spike	07/09/14
BG40349-SRM1	Reference	07/09/14

Batch ID: BG40379 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14G0147-04	3B-2 8.5'	07/09/14
BG40379-BLK1	Blank	07/09/14
BG40379-BS1	LCS	07/09/14
BG40379-BS2	LCS	07/09/14
BG40379-BSD1	LCS Dup	07/09/14

Batch ID: BG40405 **Preparation Method:** EPA 3550C **Prepared By:** TFD

YORK Sample ID	Client Sample ID	Preparation Date
14G0147-01	3B-1 2"	07/10/14
14G0147-02	3B-1 8.5'	07/10/14
14G0147-03	3B-2 2"	07/10/14
14G0147-04	3B-2 8.5'	07/10/14
14G0147-06	3B-3 2'	07/10/14
14G0147-07	3B-3 15'	07/10/14
14G0147-08	3B-4 2"	07/10/14
14G0147-09	3B-4 8.5'	07/10/14
14G0147-10	3B-4 MS/MSD	07/10/14
BG40405-BLK1	Blank	07/10/14
BG40405-BS1	LCS	07/10/14
BG40405-MS1	Matrix Spike	07/10/14
BG40405-MSD1	Matrix Spike Dup	07/10/14

Batch ID: BG40424 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14G0147-01	3B-1 2"	07/10/14
14G0147-02	3B-1 8.5'	07/10/14
14G0147-03	3B-2 2"	07/10/14
14G0147-04	3B-2 8.5'	07/10/14
14G0147-05	3B-2 18"	07/10/14
14G0147-06	3B-3 2'	07/10/14
14G0147-07	3B-3 15'	07/10/14
14G0147-08	3B-4 2"	07/10/14
14G0147-09	3B-4 8.5'	07/10/14
14G0147-10	3B-4 MS/MSD	07/10/14

Batch ID: BG40482 **Preparation Method:** Analysis Preparation Soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
14G0147-04	3B-2 8.5'	07/11/14

BG40482-BLK1	Blank	07/11/14
BG40482-DUP1	Duplicate	07/11/14
BG40482-MS1	Matrix Spike	07/11/14
BG40482-SRM1	Reference	07/11/14

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
Batch BG40228 - EPA 5035A											
Blank (BG40228-BLK1)											
Prepared & Analyzed: 07/07/2014											
1,1,1-Trichloroethane	ND	5.0	ug/kg wet								
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	"								
1,2,4-Trichlorobenzene	ND	10	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	10	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
2-Butanone	ND	10	"								
2-Hexanone	ND	10	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	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	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	2.7	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40228 - EPA 5035A											
Blank (BG40228-BLK1)								Prepared & Analyzed: 07/07/2014			
Surrogate: 1,2-Dichloroethane-d4	*48.8*		*ug/L*	*50.0*		*97.6*	*67-130*				
Surrogate: p-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.4*	*75-127*				
Surrogate: Toluene-d8	*48.2*		*"*	*50.0*		*96.4*	*90-112*				
LCS (BG40228-BS1)								Prepared & Analyzed: 07/07/2014			
1,1,1-Trichloroethane	55		ug/L	50.0		109	74-126				
1,1,2,2-Tetrachloroethane	55		"	50.0		109	72-133				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47		"	50.0		93.8	47-160				
1,1,2-Trichloroethane	56		"	50.0		112	81-124				
1,1-Dichloroethane	55		"	50.0		110	80-125				
1,1-Dichloroethylene	53		"	50.0		106	62-136				
1,2,4-Trichlorobenzene	57		"	50.0		114	61-158				
1,2,4-Trimethylbenzene	55		"	50.0		111	83-123				
1,2-Dibromo-3-chloropropane	55		"	50.0		110	48-152				
1,2-Dibromoethane	52		"	50.0		104	81-123				
1,2-Dichloroethane	52		"	50.0		104	67-129				
1,2-Dichloropropane	52		"	50.0		103	74-127				
1,3,5-Trimethylbenzene	53		"	50.0		105	81-120				
2-Butanone	52		"	50.0		105	58-159				
2-Hexanone	57		"	50.0		114	50-154				
4-Methyl-2-pentanone	55		"	50.0		110	53-149				
Acetone	49		"	50.0		98.2	32-173				
Benzene	50		"	50.0		99.1	83-126				
Bromodichloromethane	55		"	50.0		109	74-126				
Bromoform	59		"	50.0		119	63-137				
Bromomethane	45		"	50.0		90.9	24-144				
Carbon disulfide	54		"	50.0		108	29-64	High Bias			
Carbon tetrachloride	53		"	50.0		106	68-132				
Chlorobenzene	52		"	50.0		104	87-115				
Chloroethane	47		"	50.0		93.5	39-146				
Chloroform	54		"	50.0		109	84-120				
Chloromethane	46		"	50.0		91.8	35-153				
cis-1,2-Dichloroethylene	51		"	50.0		103	86-121				
cis-1,3-Dichloropropylene	57		"	50.0		113	78-122				
Dibromochloromethane	4.7		"	50.0		9.46	41-149	Low Bias			
Dichlorodifluoromethane	44		"	50.0		88.8	52-143				
Ethyl Benzene	55		"	50.0		110	81-118				
Methyl tert-butyl ether (MTBE)	54		"	50.0		109	62-140				
Methylene chloride	53		"	50.0		107	48-143				
Naphthalene	58		"	50.0		115	55-160				
n-Butylbenzene	56		"	50.0		112	71-142				
n-Propylbenzene	56		"	50.0		111	80-123				
o-Xylene	54		"	50.0		109	81-118				
p- & m- Xylenes	110		"	100		112	80-120				
sec-Butylbenzene	54		"	50.0		108	84-123				
Styrene	54		"	50.0		108	85-115				
tert-Butylbenzene	59		"	50.0		117	78-122				
Tetrachloroethylene	52		"	50.0		104	76-129				
Toluene	52		"	50.0		104	85-116				
trans-1,2-Dichloroethylene	56		"	50.0		112	66-136				
trans-1,3-Dichloropropylene	57		"	50.0		114	71-128				
Trichloroethylene	53		"	50.0		105	83-118				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40228 - EPA 5035A											
LCS (BG40228-BS1)							Prepared & Analyzed: 07/07/2014				
Trichlorofluoromethane	49		ug/L	50.0		98.8	54-141				
Vinyl Chloride	46		"	50.0		92.6	38-147				
Surrogate: 1,2-Dichloroethane-d4	*47.5*		*"*	*50.0*		*95.0*	*67-130*				
Surrogate: p-Bromofluorobenzene	*53.1*		*"*	*50.0*		*106*	*75-127*				
Surrogate: Toluene-d8	*49.0*		*"*	*50.0*		*97.9*	*90-112*				
LCS Dup (BG40228-BSD1)							Prepared & Analyzed: 07/07/2014				
1,1,1-Trichloroethane	58		ug/L	50.0		116	74-126		5.94	30	
1,1,2,2-Tetrachloroethane	53		"	50.0		106	72-133		3.09	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		102	47-160		8.20	30	
1,1,2-Trichloroethane	55		"	50.0		111	81-124		0.936	30	
1,1-Dichloroethane	57		"	50.0		114	80-125		3.40	30	
1,1-Dichloroethylene	56		"	50.0		112	62-136		5.42	30	
1,2,4-Trichlorobenzene	54		"	50.0		109	61-158		4.82	30	
1,2,4-Trimethylbenzene	53		"	50.0		107	83-123		3.95	30	
1,2-Dibromo-3-chloropropane	53		"	50.0		105	48-152		4.41	30	
1,2-Dibromoethane	55		"	50.0		111	81-123		6.66	30	
1,2-Dichloroethane	57		"	50.0		114	67-129		8.60	30	
1,2-Dichloropropane	55		"	50.0		110	74-127		6.33	30	
1,3,5-Trimethylbenzene	53		"	50.0		106	81-120		0.891	30	
2-Butanone	53		"	50.0		107	58-159		2.27	30	
2-Hexanone	59		"	50.0		118	50-154		3.61	30	
4-Methyl-2-pentanone	56		"	50.0		112	53-149		1.91	30	
Acetone	52		"	50.0		104	32-173		6.00	30	
Benzene	55		"	50.0		109	83-126		9.99	30	
Bromodichloromethane	56		"	50.0		112	74-126		1.96	30	
Bromoform	58		"	50.0		116	63-137		2.49	30	
Bromomethane	50		"	50.0		99.3	24-144		8.77	30	
Carbon disulfide	57		"	50.0		115	29-64	High Bias	5.83	30	
Carbon tetrachloride	54		"	50.0		108	68-132		2.43	30	
Chlorobenzene	53		"	50.0		105	87-115		1.82	30	
Chloroethane	51		"	50.0		101	39-146		7.79	30	
Chloroform	55		"	50.0		111	84-120		2.02	30	
Chloromethane	47		"	50.0		93.4	35-153		1.71	30	
cis-1,2-Dichloroethylene	55		"	50.0		110	86-121		6.50	30	
cis-1,3-Dichloropropylene	58		"	50.0		116	78-122		2.01	30	
Dibromochloromethane	4.0		"	50.0		7.94	41-149	Low Bias	17.5	30	
Dichlorodifluoromethane	47		"	50.0		93.3	52-143		5.01	30	
Ethyl Benzene	55		"	50.0		109	81-118		0.585	30	
Methyl tert-butyl ether (MTBE)	56		"	50.0		113	62-140		3.60	30	
Methylene chloride	56		"	50.0		112	48-143		5.14	30	
Naphthalene	57		"	50.0		114	55-160		1.42	30	
n-Butylbenzene	53		"	50.0		107	71-142		4.72	30	
n-Propylbenzene	54		"	50.0		109	80-123		2.31	30	
o-Xylene	57		"	50.0		113	81-118		4.12	30	
p- & m- Xylenes	110		"	100		112	80-120		0.0267	30	
sec-Butylbenzene	55		"	50.0		110	84-123		2.33	30	
Styrene	57		"	50.0		114	85-115		5.06	30	
tert-Butylbenzene	52		"	50.0		104	78-122		11.6	30	
Tetrachloroethylene	57		"	50.0		114	76-129		9.14	30	
Toluene	54		"	50.0		107	85-116		3.34	30	
trans-1,2-Dichloroethylene	57		"	50.0		114	66-136		1.60	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40228 - EPA 5035A											
LCS Dup (BG40228-BSD1)								Prepared & Analyzed: 07/07/2014			
trans-1,3-Dichloropropylene	59		ug/L	50.0		118	71-128		4.19	30	
Trichloroethylene	55		"	50.0		109	83-118		3.91	30	
Trichlorofluoromethane	52		"	50.0		103	54-141		4.28	30	
Vinyl Chloride	50		"	50.0		99.7	38-147		7.38	30	
Surrogate: 1,2-Dichloroethane-d4	*48.8*		*"*	*50.0*		*97.6*	*67-130*				
Surrogate: p-Bromofluorobenzene	*52.6*		*"*	*50.0*		*105*	*75-127*				
Surrogate: Toluene-d8	*51.3*		*"*	*50.0*		*103*	*90-112*				
Matrix Spike (BG40228-MS1)	*Source sample: 14G0147-10 (3B-4 MS/MSD)							Prepared: 07/07/2014 Analyzed: 07/08/2014			
1,1,1-Trichloroethane	47		ug/L	50.0	ND	93.6	11-147				
1,1,2,2-Tetrachloroethane	44		"	50.0	ND	88.1	25-149				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	32		"	50.0	ND	64.3	10-170				
1,1,2-Trichloroethane	47		"	50.0	ND	94.7	45-135				
1,1-Dichloroethane	48		"	50.0	ND	95.5	23-145				
1,1-Dichloroethylene	44		"	50.0	ND	88.5	10-161				
1,2,4-Trichlorobenzene	26		"	50.0	ND	51.3	10-135				
1,2,4-Trimethylbenzene	42		"	50.0	ND	83.7	10-138				
1,2-Dibromo-3-chloropropane	43		"	50.0	ND	86.0	17-146				
1,2-Dibromoethane	44		"	50.0	ND	87.0	53-123				
1,2-Dichloroethane	49		"	50.0	ND	97.9	54-119				
1,2-Dichloropropane	47		"	50.0	ND	93.0	38-142				
1,3,5-Trimethylbenzene	42		"	50.0	ND	84.1	10-134				
2-Butanone	52		"	50.0	ND	104	23-181				
2-Hexanone	16		"	50.0	ND	32.0	10-171				
4-Methyl-2-pentanone	33		"	50.0	ND	65.1	27-150				
Acetone	77		"	50.0	18	117	10-200				
Benzene	45		"	50.0	ND	90.3	32-136				
Bromodichloromethane	46		"	50.0	ND	92.5	42-132				
Bromoform	48		"	50.0	ND	95.2	35-135				
Bromomethane	35		"	50.0	ND	71.0	10-123				
Carbon disulfide	41		"	50.0	ND	82.3	10-67	High Bias			
Carbon tetrachloride	47		"	50.0	ND	94.2	19-138				
Chlorobenzene	40		"	50.0	ND	79.8	24-130				
Chloroethane	41		"	50.0	ND	82.7	22-129				
Chloroform	48		"	50.0	ND	95.2	41-133				
Chloromethane	41		"	50.0	ND	81.6	10-147				
cis-1,2-Dichloroethylene	42		"	50.0	ND	83.7	43-130				
cis-1,3-Dichloropropylene	40		"	50.0	ND	79.0	35-125				
Dibromochloromethane	4.0		"	50.0	ND	8.10	38-131	Low Bias			
Dichlorodifluoromethane	41		"	50.0	ND	82.1	10-144				
Ethyl Benzene	41		"	50.0	ND	82.4	10-136				
Methyl tert-butyl ether (MTBE)	53		"	50.0	ND	106	54-133				
Methylene chloride	49		"	50.0	1.3	95.9	10-147				
Naphthalene	28		"	50.0	ND	56.2	10-151				
n-Butylbenzene	34		"	50.0	ND	68.8	10-137				
n-Propylbenzene	41		"	50.0	ND	81.2	10-145				
o-Xylene	43		"	50.0	ND	85.4	21-132				
p- & m- Xylenes	83		"	100	ND	82.7	13-132				
sec-Butylbenzene	39		"	50.0	ND	78.6	10-142				
Styrene	35		"	50.0	ND	70.1	13-129				
tert-Butylbenzene	37		"	50.0	ND	74.3	10-141				
Tetrachloroethylene	64		"	50.0	ND	128	10-166				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40228 - EPA 5035A											
Matrix Spike (BG40228-MS1)	*Source sample: 14G0147-10 (3B-4 MS/MSD)								Prepared: 07/07/2014 Analyzed: 07/08/2014		
Toluene	43		ug/L	50.0	ND	85.7	34-128				
trans-1,2-Dichloroethylene	46		"	50.0	ND	91.4	20-146				
trans-1,3-Dichloropropylene	39		"	50.0	ND	77.2	36-123				
Trichloroethylene	45		"	50.0	ND	89.7	36-134				
Trichlorofluoromethane	43		"	50.0	ND	86.4	21-128				
Vinyl Chloride	39		"	50.0	ND	78.7	10-138				
Surrogate: 1,2-Dichloroethane-d4	*48.8*		*"*	*50.0*		*97.5*	*67-130*				
Surrogate: p-Bromofluorobenzene	*52.1*		*"*	*50.0*		*104*	*70-130*				
Surrogate: Toluene-d8	*47.7*		*"*	*50.0*		*95.5*	*90-112*				
Matrix Spike Dup (BG40228-MSD1)	*Source sample: 14G0147-10 (3B-4 MS/MSD)								Prepared: 07/07/2014 Analyzed: 07/08/2014		
1,1,1-Trichloroethane	56		ug/L	50.0	ND	112	11-147		17.5	30	
1,1,2,2-Tetrachloroethane	47		"	50.0	ND	93.7	25-149		6.25	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46		"	50.0	ND	91.8	10-170		35.3	31	Non-dir.
1,1,2-Trichloroethane	52		"	50.0	ND	104	45-135		9.63	40	
1,1-Dichloroethane	55		"	50.0	ND	110	23-145		13.6	36	
1,1-Dichloroethylene	54		"	50.0	ND	108	10-161		19.7	31	
1,2,4-Trichlorobenzene	33		"	50.0	ND	66.2	10-135		25.3	52	
1,2,4-Trimethylbenzene	45		"	50.0	ND	90.6	10-138		7.94	242	
1,2-Dibromo-3-chloropropane	44		"	50.0	ND	88.1	17-146		2.44	54	
1,2-Dibromoethane	48		"	50.0	ND	95.1	53-123		8.92	39	
1,2-Dichloroethane	52		"	50.0	ND	104	54-119		5.95	32	
1,2-Dichloropropane	52		"	50.0	ND	103	38-142		10.2	37	
1,3,5-Trimethylbenzene	48		"	50.0	ND	95.7	10-134		12.9	62	
2-Butanone	46		"	50.0	ND	91.7	23-181		13.0	67	
2-Hexanone	47		"	50.0	ND	94.7	10-171		99.0	60	Non-dir.
4-Methyl-2-pentanone	52		"	50.0	ND	105	27-150		46.9	47	
Acetone	110		"	50.0	20	186	10-200		38.0	150	
Benzene	51		"	50.0	ND	102	32-136		12.1	64	
Bromodichloromethane	53		"	50.0	ND	105	42-132		12.7	37	
Bromoform	49		"	50.0	ND	98.7	35-135		3.65	51	
Bromomethane	48		"	50.0	ND	95.1	10-123		29.0	42	
Carbon disulfide	51		"	50.0	ND	102	10-67	High Bias	21.4	36	
Carbon tetrachloride	51		"	50.0	ND	103	19-138		8.67	31	
Chlorobenzene	46		"	50.0	ND	91.8	24-130		14.0	32	
Chloroethane	48		"	50.0	ND	96.1	22-129		15.1	40	
Chloroform	53		"	50.0	ND	107	41-133		11.7	29	
Chloromethane	49		"	50.0	ND	98.3	10-147		18.5	31	
cis-1,2-Dichloroethylene	51		"	50.0	ND	102	43-130		20.0	30	
cis-1,3-Dichloropropylene	50		"	50.0	ND	100	35-125		23.9	39	
Dibromochloromethane	3.9		"	50.0	ND	7.72	38-131	Low Bias		41	
Dichlorodifluoromethane	49		"	50.0	ND	97.1	10-144		16.8	34	
Ethyl Benzene	49		"	50.0	ND	98.6	10-136		17.9	42	
Methyl tert-butyl ether (MTBE)	54		"	50.0	ND	108	54-133		1.27	47	
Methylene chloride	56		"	50.0	1.5	108	10-147		12.1	49	
Naphthalene	36		"	50.0	ND	71.9	10-151		24.5	95	
n-Butylbenzene	43		"	50.0	ND	86.6	10-137		23.0	96	
n-Propylbenzene	47		"	50.0	ND	94.5	10-145		15.1	56	
o-Xylene	52		"	50.0	ND	103	21-132		19.1	51	
p- & m- Xylenes	100		"	100	ND	100	13-132		19.1	47	
sec-Butylbenzene	47		"	50.0	ND	93.1	10-142		16.8	56	
Styrene	47		"	50.0	ND	93.5	13-129		28.6	39	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40228 - EPA 5035A											
Matrix Spike Dup (BG40228-MSD1)	*Source sample: 14G0147-10 (3B-4 MS/MSD)								Prepared: 07/07/2014 Analyzed: 07/08/2014		
tert-Butylbenzene	52		ug/L	50.0	ND	104	10-141		33.4	79	
Tetrachloroethylene	52		"	50.0	ND	104	10-166		20.7	33	
Toluene	50		"	50.0	ND	99.8	34-128		15.2	50	
trans-1,2-Dichloroethylene	53		"	50.0	ND	107	20-146		15.4	30	
trans-1,3-Dichloropropylene	47		"	50.0	ND	93.3	36-123		18.9	30	
Trichloroethylene	49		"	50.0	ND	98.1	36-134		8.99	30	
Trichlorofluoromethane	51		"	50.0	ND	101	21-128		15.9	30	
Vinyl Chloride	46		"	50.0	ND	91.1	10-138		14.6	35	
Surrogate: 1,2-Dichloroethane-d4	*49.8*		*"*	*50.0*		*99.6*	*67-130*				
Surrogate: p-Bromofluorobenzene	*50.1*		*"*	*50.0*		*100*	*70-130*				
Surrogate: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*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
Batch BG40405 - EPA 3550C											
Blank (BG40405-BLK1)											
Prepared & Analyzed: 07/10/2014											
Acenaphthene	ND	167	ug/kg wet								
Acenaphthylene	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	"								
Benzoic acid	ND	333	"								
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	"								
1,2-Dichlorobenzene	ND	167	"								
1,4-Dichlorobenzene	ND	167	"								
1,3-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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40405 - EPA 3550C											
Blank (BG40405-BLK1)								Prepared & Analyzed: 07/10/2014			
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-Nitrosodiphenylamine	ND	167	"								
Pentachlorophenol	ND	167	"								
Phenanthrene	ND	167	"								
Phenol	ND	167	"								
Pyrene	ND	167	"								
1,2,4-Trichlorobenzene	ND	167	"								
2,4,5-Trichlorophenol	ND	167	"								
2,4,6-Trichlorophenol	ND	167	"								
Surrogate: 2-Fluorophenol	*1500*		*"*	*2510*		*59.8*	*10-105*				
Surrogate: Phenol-d5	*1660*		*"*	*2510*		*66.0*	*10-118*				
Surrogate: Nitrobenzene-d5	*866*		*"*	*1670*		*52.0*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*885*		*"*	*1670*		*52.9*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*1630*		*"*	*2490*		*65.3*	*10-150*				
Surrogate: Terphenyl-d14	*988*		*"*	*1680*		*58.9*	*10-137*				
LCS (BG40405-BS1)								Prepared & Analyzed: 07/10/2014			
Acenaphthene	950	167	ug/kg wet	1670		57.0	17-124				
Acenaphthylene	1090	167	"	1670		65.6	16-124				
Anthracene	1180	167	"	1670		71.1	24-124				
Benzo(a)anthracene	1520	167	"	1670		91.4	25-134				
Benzo(a)pyrene	1360	167	"	1670		81.6	29-144				
Benzo(b)fluoranthene	1040	167	"	1670		62.5	20-151				
Benzo(g,h,i)perylene	1370	167	"	1670		82.0	10-153				
Benzoic acid	1120	333	"	1670		67.1	10-116				
Benzo(k)fluoranthene	1090	167	"	1670		65.3	10-148				
Benzyl alcohol	1210	167	"	1670		72.4	17-128				
Benzyl butyl phthalate	1480	167	"	1670		88.6	10-132				
4-Bromophenyl phenyl ether	1030	167	"	1670		61.9	30-138				
4-Chloro-3-methylphenol	999	167	"	1670		59.9	16-138				
4-Chloroaniline	873	167	"	1670		52.4	10-117				
Bis(2-chloroethoxy)methane	934	167	"	1670		56.0	10-129				
Bis(2-chloroethyl)ether	854	167	"	1670		51.3	14-125				
Bis(2-chloroisopropyl)ether	1240	167	"	1670		74.2	14-122				
2-Chloronaphthalene	1030	167	"	1670		61.6	22-115				
2-Chlorophenol	1120	167	"	1670		67.0	25-121				
4-Chlorophenyl phenyl ether	1160	167	"	1670		69.4	18-132				
Chrysene	1440	167	"	1670		86.1	24-116				
Dibenzo(a,h)anthracene	1320	167	"	1670		79.3	17-147				
Dibenzofuran	1000	167	"	1670		60.0	23-123				
Di-n-butyl phthalate	1220	167	"	1670		73.2	19-123				
1,2-Dichlorobenzene	1080	167	"	1670		64.7	26-113				
1,4-Dichlorobenzene	1150	167	"	1670		68.7	28-111				
1,3-Dichlorobenzene	1080	167	"	1670		65.0	32-113				
3,3'-Dichlorobenzidine	1500	333	"	1670		90.2	10-147				
2,4-Dichlorophenol	917	167	"	1670		55.0	23-133				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40405 - EPA 3550C											
LCS (BG40405-BS1)							Prepared & Analyzed: 07/10/2014				
Diethyl phthalate	1080	167	ug/kg wet	1670		64.9	23-122				
2,4-Dimethylphenol	894	167	"	1670		53.6	15-131				
Dimethyl phthalate	1150	167	"	1670		68.9	28-127				
4,6-Dinitro-2-methylphenol	1240	167	"	1670		74.2	10-149				
2,4-Dinitrophenol	1010	333	"	1670		60.5	10-149				
2,4-Dinitrotoluene	1150	167	"	1670		69.1	30-123				
2,6-Dinitrotoluene	1160	167	"	1670		69.5	30-125				
Di-n-octyl phthalate	1450	167	"	1670		87.0	10-132				
Bis(2-ethylhexyl)phthalate	1530	167	"	1670		92.0	10-141				
Fluoranthene	1170	167	"	1670		69.9	36-125				
Fluorene	1070	167	"	1670		64.1	16-130				
Hexachlorobenzene	1160	167	"	1670		69.8	10-129				
Hexachlorobutadiene	921	167	"	1670		55.2	22-153				
Hexachlorocyclopentadiene	925	167	"	1670		55.5	10-134				
Hexachloroethane	1160	167	"	1670		69.7	20-112				
Indeno(1,2,3-cd)pyrene	1280	167	"	1670		76.5	10-155				
Isophorone	984	167	"	1670		59.0	14-131				
2-Methylnaphthalene	925	167	"	1670		55.5	16-127				
2-Methylphenol	939	167	"	1670		56.3	10-146				
3- & 4-Methylphenols	1150	167	"	1670		69.0	20-109				
Naphthalene	1030	167	"	1670		61.8	20-121				
3-Nitroaniline	1360	167	"	1670		81.8	23-123				
2-Nitroaniline	1150	167	"	1670		68.9	24-126				
4-Nitroaniline	899	167	"	1670		53.9	14-125				
Nitrobenzene	917	167	"	1670		55.0	20-121				
2-Nitrophenol	903	167	"	1670		54.2	17-129				
4-Nitrophenol	1200	167	"	1670		71.7	10-136				
N-nitroso-di-n-propylamine	1070	167	"	1670		64.3	21-119				
N-Nitrosodiphenylamine	1060	167	"	1670		63.6	10-163				
Pentachlorophenol	1150	167	"	1670		69.3	10-143				
Phenanthrene	1280	167	"	1670		76.6	24-123				
Phenol	1010	167	"	1670		60.8	15-123				
Pyrene	1420	167	"	1670		85.3	24-132				
1,2,4-Trichlorobenzene	846	167	"	1670		50.8	23-130				
2,4,5-Trichlorophenol	911	167	"	1670		54.6	14-138				
2,4,6-Trichlorophenol	970	167	"	1670		58.2	27-122				
Surrogate: 2-Fluorophenol	*1490*		*"*	*2510*		*59.6*	*10-105*				
Surrogate: Phenol-d5	*1360*		*"*	*2510*		*54.0*	*10-118*				
Surrogate: Nitrobenzene-d5	*852*		*"*	*1670*		*51.1*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*813*		*"*	*1670*		*48.6*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*1400*		*"*	*2490*		*56.2*	*30-130*				
Surrogate: Terphenyl-d14	*1170*		*"*	*1680*		*69.9*	*10-137*				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40405 - EPA 3550C											
Matrix Spike (BG40405-MS1)	*Source sample: 14G0147-10 (3B-4 MS/MSD)							Prepared & Analyzed: 07/10/2014			
Acenaphthene	1220	199	ug/kg dry	1990	ND	61.0	13-133				
Acenaphthylene	1430	199	"	1990	ND	71.6	25-125				
Anthracene	1120	199	"	1990	ND	56.0	27-128				
Benzo(a)anthracene	1870	199	"	1990	ND	93.6	20-147				
Benzo(a)pyrene	1590	199	"	1990	ND	79.7	18-153				
Benzo(b)fluoranthene	1500	199	"	1990	ND	75.1	10-163				
Benzo(g,h,i)perylene	1110	199	"	1990	ND	55.8	10-157				
Benzoic acid	1040	399	"	1990	ND	52.4	10-130				
Benzo(k)fluoranthene	1440	199	"	1990	ND	72.2	10-157				
Benzyl alcohol	1800	199	"	1990	ND	90.1	20-122				
Benzyl butyl phthalate	1950	199	"	1990	ND	97.9	10-129				
4-Bromophenyl phenyl ether	1060	199	"	1990	ND	53.0	32-148				
4-Chloro-3-methylphenol	1320	199	"	1990	ND	66.0	14-138				
4-Chloroaniline	907	199	"	1990	ND	45.5	10-124				
Bis(2-chloroethoxy)methane	1270	199	"	1990	ND	63.7	12-128				
Bis(2-chloroethyl)ether	1140	199	"	1990	ND	57.4	18-113				
Bis(2-chloroisopropyl)ether	1660	199	"	1990	ND	83.4	10-130				
2-Chloronaphthalene	1120	199	"	1990	ND	56.4	31-116				
2-Chlorophenol	1620	199	"	1990	ND	81.0	28-114				
4-Chlorophenyl phenyl ether	1350	199	"	1990	ND	67.5	10-153				
Chrysene	1830	199	"	1990	ND	91.5	18-133				
Dibenzo(a,h)anthracene	1330	199	"	1990	ND	66.9	10-146				
Dibenzofuran	1120	199	"	1990	ND	56.3	26-134				
Di-n-butyl phthalate	1370	199	"	1990	ND	68.5	20-128				
1,2-Dichlorobenzene	1400	199	"	1990	ND	70.0	29-106				
1,4-Dichlorobenzene	1620	199	"	1990	ND	81.2	26-107				
1,3-Dichlorobenzene	1370	199	"	1990	ND	68.8	34-100				
3,3'-Dichlorobenzidine	1620	399	"	1990	ND	81.1	10-134				
2,4-Dichlorophenol	1220	199	"	1990	ND	61.1	16-144				
Diethyl phthalate	1260	199	"	1990	ND	63.0	30-119				
2,4-Dimethylphenol	1030	199	"	1990	ND	51.5	11-133				
Dimethyl phthalate	1390	199	"	1990	ND	69.7	34-120				
4,6-Dinitro-2-methylphenol	622	199	"	1990	ND	31.2	10-149				
2,4-Dinitrophenol	700	399	"	1990	ND	35.1	10-132				
2,4-Dinitrotoluene	1600	199	"	1990	ND	80.3	42-113				
2,6-Dinitrotoluene	1520	199	"	1990	ND	76.1	36-124				
Di-n-octyl phthalate	1790	199	"	1990	ND	89.9	10-133				
Bis(2-ethylhexyl)phthalate	1690	199	"	1990	ND	84.6	10-138				
Fluoranthene	1380	199	"	1990	ND	69.4	10-155				
Fluorene	1350	199	"	1990	ND	67.5	12-150				
Hexachlorobenzene	1200	199	"	1990	ND	60.3	16-142				
Hexachlorobutadiene	1120	199	"	1990	ND	56.3	11-150				
Hexachlorocyclopentadiene	521	199	"	1990	ND	26.1	10-115				
Hexachloroethane	1500	199	"	1990	ND	75.4	14-106				
Indeno(1,2,3-cd)pyrene	1150	199	"	1990	ND	57.9	10-155				
Isophorone	1140	199	"	1990	ND	57.2	14-127				
2-Methylnaphthalene	986	199	"	1990	ND	49.4	10-143				
2-Methylphenol	1350	199	"	1990	ND	67.5	10-160				
3- & 4-Methylphenols	1370	199	"	1990	ND	68.6	16-115				
Naphthalene	1020	199	"	1990	ND	51.4	15-132				
3-Nitroaniline	2040	199	"	1990	ND	102	24-128				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40405 - EPA 3550C											
Matrix Spike (BG40405-MS1)	*Source sample: 14G0147-10 (3B-4 MS/MSD)							Prepared & Analyzed: 07/10/2014			
2-Nitroaniline	1600	199	ug/kg dry	1990	ND	80.0	33-122				
4-Nitroaniline	1290	199	"	1990	ND	64.6	10-151				
Nitrobenzene	1080	199	"	1990	ND	54.3	18-125				
2-Nitrophenol	1240	199	"	1990	ND	62.1	12-127				
4-Nitrophenol	1490	199	"	1990	ND	74.9	10-141				
N-nitroso-di-n-propylamine	1480	199	"	1990	ND	74.3	23-115				
N-Nitrosodiphenylamine	1110	199	"	1990	ND	55.8	16-166				
Pentachlorophenol	1390	199	"	1990	ND	69.6	10-160				
Phenanthrene	1270	199	"	1990	ND	63.6	10-151				
Phenol	1460	199	"	1990	ND	73.3	11-124				
Pyrene	1570	199	"	1990	ND	78.9	13-148				
1,2,4-Trichlorobenzene	908	199	"	1990	ND	45.5	15-139				
2,4,5-Trichlorophenol	979	199	"	1990	ND	49.1	10-148				
2,4,6-Trichlorophenol	1370	199	"	1990	ND	68.9	12-138				
Surrogate: 2-Fluorophenol	*2000*		*"*	*3000*		*66.8*	*10-105*				
Surrogate: Phenol-d5	*1850*		*"*	*3010*		*61.4*	*10-118*				
Surrogate: Nitrobenzene-d5	*972*		*"*	*1990*		*48.7*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*991*		*"*	*2000*		*49.5*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*1730*		*"*	*2980*		*58.1*	*30-130*				
Surrogate: Terphenyl-d14	*1480*		*"*	*2010*		*74.0*	*10-137*				
Matrix Spike Dup (BG40405-MSD1)	*Source sample: 14G0147-10 (3B-4 MS/MSD)							Prepared & Analyzed: 07/10/2014			
Acenaphthene	1020	199	ug/kg dry	1990	ND	51.2	13-133		17.6	30	
Acenaphthylene	1200	199	"	1990	ND	60.0	25-125		17.6	30	
Anthracene	1090	199	"	1990	ND	54.7	27-128		2.31	30	
Benzo(a)anthracene	1630	199	"	1990	ND	81.9	20-147		13.2	30	
Benzo(a)pyrene	1490	199	"	1990	ND	74.9	18-153		6.26	30	
Benzo(b)fluoranthene	1220	199	"	1990	ND	61.2	10-163		20.4	30	
Benzo(g,h,i)perylene	1000	199	"	1990	ND	50.2	10-157		10.5	30	
Benzoic acid	1010	399	"	1990	ND	50.6	10-130		3.50	30	
Benzo(k)fluoranthene	1520	199	"	1990	ND	76.3	10-157		5.63	30	
Benzyl alcohol	1370	199	"	1990	ND	68.9	20-122		26.6	30	
Benzyl butyl phthalate	1790	199	"	1990	ND	89.8	10-129		8.68	30	
4-Bromophenyl phenyl ether	1220	199	"	1990	ND	61.1	32-148		14.2	30	
4-Chloro-3-methylphenol	1040	199	"	1990	ND	51.9	14-138		23.9	30	
4-Chloroaniline	1040	199	"	1990	ND	52.2	10-124		13.8	30	
Bis(2-chloroethoxy)methane	1000	199	"	1990	ND	50.2	12-128		23.7	30	
Bis(2-chloroethyl)ether	841	199	"	1990	ND	42.2	18-113		30.6	30	Non-dir.
Bis(2-chloroisopropyl)ether	1280	199	"	1990	ND	64.0	10-130		26.3	30	
2-Chloronaphthalene	1210	199	"	1990	ND	60.6	31-116		7.22	30	
2-Chlorophenol	1350	199	"	1990	ND	67.8	28-114		17.7	30	
4-Chlorophenyl phenyl ether	1220	199	"	1990	ND	61.0	10-153		10.1	30	
Chrysene	1440	199	"	1990	ND	72.0	18-133		23.8	30	
Dibenzo(a,h)anthracene	1220	199	"	1990	ND	61.4	10-146		8.58	30	
Dibenzofuran	957	199	"	1990	ND	48.0	26-134		16.0	30	
Di-n-butyl phthalate	1190	199	"	1990	ND	59.5	20-128		14.0	30	
1,2-Dichlorobenzene	953	199	"	1990	ND	47.8	29-106		37.7	30	Non-dir.
1,4-Dichlorobenzene	1020	199	"	1990	ND	50.9	26-107		45.8	30	Non-dir.
1,3-Dichlorobenzene	1000	199	"	1990	ND	50.3	34-100		31.0	30	Non-dir.
3,3'-Dichlorobenzidine	1350	399	"	1990	ND	67.7	10-134		17.9	30	
2,4-Dichlorophenol	1050	199	"	1990	ND	52.6	16-144		14.9	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
Batch BG40405 - EPA 3550C											
Matrix Spike Dup (BG40405-MSD1)	*Source sample: 14G0147-10 (3B-4 MS/MSD)								Prepared & Analyzed: 07/10/2014		
Diethyl phthalate	1140	199	ug/kg dry	1990	ND	57.2	30-119		9.59	30	
2,4-Dimethylphenol	1110	199	"	1990	ND	55.7	11-133		7.76	30	
Dimethyl phthalate	1400	199	"	1990	ND	70.2	34-120		0.657	30	
4,6-Dinitro-2-methylphenol	740	199	"	1990	ND	37.1	10-149		17.3	30	
2,4-Dinitrophenol	683	399	"	1990	ND	34.2	10-132		2.60	30	
2,4-Dinitrotoluene	1110	199	"	1990	ND	55.9	42-113		35.9	30	Non-dir.
2,6-Dinitrotoluene	1120	199	"	1990	ND	56.1	36-124		30.2	30	Non-dir.
Di-n-octyl phthalate	1370	199	"	1990	ND	68.7	10-133		26.7	30	
Bis(2-ethylhexyl)phthalate	1770	199	"	1990	ND	88.7	10-138		4.78	30	
Fluoranthene	1290	199	"	1990	ND	64.8	10-155		6.83	30	
Fluorene	1010	199	"	1990	ND	50.6	12-150		28.6	30	
Hexachlorobenzene	1280	199	"	1990	ND	64.1	16-142		6.17	30	
Hexachlorobutadiene	899	199	"	1990	ND	45.1	11-150		22.1	30	
Hexachlorocyclopentadiene	475	199	"	1990	ND	23.8	10-115		9.29	30	
Hexachloroethane	1160	199	"	1990	ND	57.9	14-106		26.2	30	
Indeno(1,2,3-cd)pyrene	1060	199	"	1990	ND	52.9	10-155		8.88	30	
Isophorone	1190	199	"	1990	ND	59.6	14-127		4.14	30	
2-Methylnaphthalene	1090	199	"	1990	ND	54.9	10-143		10.4	30	
2-Methylphenol	1070	199	"	1990	ND	53.5	10-160		23.3	30	
3- & 4-Methylphenols	1230	199	"	1990	ND	61.8	16-115		10.4	30	
Naphthalene	1110	199	"	1990	ND	55.9	15-132		8.43	30	
3-Nitroaniline	1730	199	"	1990	ND	86.6	24-128		16.8	30	
2-Nitroaniline	1440	199	"	1990	ND	72.0	33-122		10.5	30	
4-Nitroaniline	1290	199	"	1990	ND	64.6	10-151		0.0310	30	
Nitrobenzene	989	199	"	1990	ND	49.6	18-125		9.01	30	
2-Nitrophenol	933	199	"	1990	ND	46.8	12-127		28.1	30	
4-Nitrophenol	1300	199	"	1990	ND	65.3	10-141		13.8	30	
N-nitroso-di-n-propylamine	1030	199	"	1990	ND	51.8	23-115		35.6	30	Non-dir.
N-Nitrosodiphenylamine	1070	199	"	1990	ND	53.7	16-166		3.73	30	
Pentachlorophenol	1250	199	"	1990	ND	62.5	10-160		10.7	30	
Phenanthrene	1230	199	"	1990	ND	61.9	10-151		2.80	30	
Phenol	1040	199	"	1990	ND	52.0	11-124		34.0	30	Non-dir.
Pyrene	1690	199	"	1990	ND	84.6	13-148		6.87	30	
1,2,4-Trichlorobenzene	854	199	"	1990	ND	42.8	15-139		6.16	30	
2,4,5-Trichlorophenol	1060	199	"	1990	ND	53.1	10-148		7.98	30	
2,4,6-Trichlorophenol	1170	199	"	1990	ND	58.6	12-138		16.2	30	
Surrogate: 2-Fluorophenol	*1810*		*"*	*3000*		*60.2*	*10-105*				
Surrogate: Phenol-d5	*1640*		*"*	*3010*		*54.6*	*10-118*				
Surrogate: Nitrobenzene-d5	*1090*		*"*	*1990*		*54.9*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*775*		*"*	*2000*		*38.7*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*1560*		*"*	*2980*		*52.3*	*30-130*				
Surrogate: Terphenyl-d14	*1270*		*"*	*2010*		*63.3*	*10-137*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40379 - EPA 3550C											
Blank (BG40379-BLK1)											Prepared: 07/09/2014 Analyzed: 07/10/2014
Toxaphene	ND	16.7	ug/kg wet								
Methoxychlor	ND	1.65	"								
Heptachlor epoxide	ND	0.330	"								
Heptachlor	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Endrin ketone	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Dieldrin	ND	0.330	"								
delta-BHC	ND	0.330	"								
Chlordane, total	ND	1.32	"								
beta-BHC	ND	0.330	"								
alpha-BHC	ND	0.330	"								
Aldrin	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
4,4'-DDE	ND	0.330	"								
4,4'-DDD	ND	0.330	"								
Aroclor 1260	ND	17.0	"								
Aroclor 1254	ND	17.0	"								
Aroclor 1248	ND	17.0	"								
Aroclor 1242	ND	17.0	"								
Aroclor 1232	ND	17.0	"								
Aroclor 1221	ND	17.0	"								
Aroclor 1016	ND	17.0	"								
Total PCBs	ND	17.0	"								
Surrogate: Tetrachloro-m-xylene	*50.6*		*"*	*66.7*		*75.8*	*30-140*				
Surrogate: Decachlorobiphenyl	*67.8*		*"*	*66.7*		*102*	*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
Batch BG40379 - EPA 3550C											
LCS (BG40379-BS1)									Prepared: 07/09/2014 Analyzed: 07/10/2014		
Methoxychlor	35.5	1.65	ug/kg wet	33.3		106	40-140				
Heptachlor epoxide	27.6	0.330	"	33.3		82.9	40-140				
Heptachlor	29.7	0.330	"	33.3		89.2	40-140				
gamma-BHC (Lindane)	30.6	0.330	"	33.3		91.9	40-140				
Endrin ketone	37.7	0.330	"	33.3		113	40-140				
Endrin aldehyde	29.3	0.330	"	33.3		87.8	40-140				
Endrin	29.7	0.330	"	33.3		89.1	40-140				
Endosulfan sulfate	31.8	0.330	"	33.3		95.5	40-140				
Endosulfan II	30.6	0.330	"	33.3		91.9	40-140				
Endosulfan I	29.9	0.330	"	33.3		89.7	40-140				
Dieldrin	30.7	0.330	"	33.3		92.2	40-140				
delta-BHC	32.0	0.330	"	33.3		96.1	40-140				
beta-BHC	29.4	0.330	"	33.3		88.3	40-140				
alpha-BHC	30.3	0.330	"	33.3		90.9	40-140				
Aldrin	30.3	0.330	"	33.3		90.9	40-140				
4,4'-DDT	41.0	0.330	"	33.3		123	40-140				
4,4'-DDE	28.2	0.330	"	33.3		84.5	40-140				
4,4'-DDD	29.6	0.330	"	33.3		88.8	40-140				
Surrogate: Tetrachloro-m-xylene	*48.6*		*"*	*66.7*		*72.8*	*30-140*				
Surrogate: Decachlorobiphenyl	*59.0*		*"*	*66.7*		*88.5*	*30-140*				
LCS (BG40379-BS2)									Prepared: 07/09/2014 Analyzed: 07/10/2014		
Aroclor 1260	332	17.0	ug/kg wet	333		99.6	40-130				
Aroclor 1016	359	17.0	"	333		108	40-130				
Surrogate: Tetrachloro-m-xylene	*65.7*		*"*	*66.7*		*98.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*55.3*		*"*	*66.7*		*83.0*	*30-140*				
LCS Dup (BG40379-BSD1)									Prepared: 07/09/2014 Analyzed: 07/10/2014		
Methoxychlor	36.3	1.65	ug/kg wet	33.3		109	40-140		2.25	30	
Heptachlor epoxide	28.7	0.330	"	33.3		86.2	40-140		3.93	30	
Heptachlor	31.1	0.330	"	33.3		93.2	40-140		4.35	30	
gamma-BHC (Lindane)	31.9	0.330	"	33.3		95.6	40-140		3.98	30	
Endrin ketone	38.2	0.330	"	33.3		115	40-140		1.13	30	
Endrin aldehyde	29.9	0.330	"	33.3		89.6	40-140		2.10	30	
Endrin	30.3	0.330	"	33.3		91.0	40-140		2.11	30	
Endosulfan sulfate	32.2	0.330	"	33.3		96.7	40-140		1.28	30	
Endosulfan II	31.4	0.330	"	33.3		94.1	40-140		2.36	30	
Endosulfan I	30.8	0.330	"	33.3		92.5	40-140		3.12	30	
Dieldrin	31.6	0.330	"	33.3		94.9	40-140		2.91	30	
delta-BHC	33.2	0.330	"	33.3		99.6	40-140		3.56	30	
beta-BHC	30.6	0.330	"	33.3		91.8	40-140		3.84	30	
alpha-BHC	31.6	0.330	"	33.3		94.7	40-140		4.10	30	
Aldrin	31.6	0.330	"	33.3		94.7	40-140		4.12	30	
4,4'-DDT	41.7	0.330	"	33.3		125	40-140		1.82	30	
4,4'-DDE	29.4	0.330	"	33.3		88.1	40-140		4.14	30	
4,4'-DDD	31.0	0.330	"	33.3		93.1	40-140		4.69	30	
Surrogate: Tetrachloro-m-xylene	*50.2*		*"*	*66.7*		*75.3*	*30-140*				
Surrogate: Decachlorobiphenyl	*58.2*		*"*	*66.7*		*87.3*	*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
Batch BG40342 - EPA 3050B											
Blank (BG40342-BLK1)									Prepared & Analyzed: 07/09/2014		
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	"								
Duplicate (BG40342-DUP1)	*Source sample: 14G0147-10 (3B-4 MS/MSD)								Prepared & Analyzed: 07/09/2014		
Aluminum	11300	1.20	mg/kg dry		11400				0.478	35	
Antimony	ND	0.598	"		ND					35	
Arsenic	2.19	1.20	"		2.39				8.93	35	
Barium	73.1	1.20	"		73.4				0.410	35	
Beryllium	ND	0.120	"		ND					35	
Cadmium	ND	0.359	"		ND					35	
Calcium	1900	5.98	"		1950				2.51	35	
Chromium	48.0	0.598	"		47.8				0.458	35	
Cobalt	11.5	0.598	"		11.5				0.00114	35	
Copper	25.5	0.598	"		25.5				0.127	35	
Iron	21600	2.39	"		22100				2.23	35	
Lead	15.3	0.359	"		15.3				0.119	35	
Magnesium	4940	5.98	"		5050				2.20	35	
Manganese	286	0.598	"		283				0.962	35	
Nickel	32.3	0.598	"		32.3				0.151	35	
Potassium	1110	5.98	"		1130				1.74	35	
Selenium	2.79	1.20	"		2.71				2.94	35	
Silver	ND	0.598	"		ND					35	
Sodium	128	12.0	"		140				8.88	35	
Thallium	ND	1.20	"		ND					35	
Vanadium	44.1	1.20	"		44.0				0.392	35	
Zinc	41.3	1.20	"		41.2				0.0969	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG40342 - EPA 3050B											
Matrix Spike (BG40342-MS1)	*Source sample: 14G0147-10 (3B-4 MS/MSD)							Prepared & Analyzed: 07/09/2014			
Aluminum	11600	1.20	mg/kg dry	239	11400	97.0	75-125				
Antimony	31.4	0.598	"	29.9	ND	105	75-125				
Arsenic	236	1.20	"	239	2.39	97.6	75-125				
Barium	322	1.20	"	239	73.4	104	75-125				
Beryllium	4.81	0.120	"	5.98	ND	80.5	75-125				
Cadmium	5.25	0.359	"	5.98	ND	87.7	75-125				
Chromium	70.8	0.598	"	23.9	47.8	96.0	75-125				
Cobalt	72.8	0.598	"	59.8	11.5	102	75-125				
Copper	56.8	0.598	"	29.9	25.5	105	75-125				
Iron	22300	2.39	"	120	22100	132	75-125	High Bias			
Lead	73.6	0.359	"	59.8	15.3	97.4	75-125				
Magnesium	5050	5.98	"		5050		75-125				
Manganese	346	0.598	"	59.8	283	105	75-125				
Nickel	95.9	0.598	"	59.8	32.3	106	75-125				
Potassium	1130	5.98	"		1130		75-125				
Silver	0.789	0.598	"	5.98	ND	13.2	75-125	Low Bias			
Sodium	127	12.0	"		140		75-125				
Thallium	229	1.20	"	239	ND	95.6	75-125				
Vanadium	101	1.20	"	59.8	44.0	95.2	75-125				
Zinc	102	1.20	"	59.8	41.2	102	75-125				
Reference (BG40342-SRM1)								Prepared & Analyzed: 07/09/2014			
Aluminum	5460	1.00	mg/kg wet	9390		58.2	43.5-157				
Antimony	114	0.500	"	129		88.5	22.4-250				
Arsenic	81.3	1.00	"	88.4		92.0	69-131				
Barium	189	1.00	"	210		89.9	73.3-127				
Beryllium	52.7	0.100	"	55.8		94.5	73.1-127				
Cadmium	130	0.300	"	142		91.2	73.2-128				
Calcium	7350	5.00	"	7530		97.7	74.6-125				
Chromium	75.4	0.500	"	86.8		86.8	69.1-131				
Cobalt	191	0.500	"	199		95.8	74.4-126				
Copper	267	0.500	"	268		99.5	76.1-124				
Iron	9850	2.00	"	12800		76.9	31.6-168				
Lead	86.2	0.300	"	97.9		88.0	70.8-129				
Magnesium	2280	5.00	"	2850		80.1	65.3-135				
Manganese	407	0.500	"	425		95.7	76.2-124				
Nickel	234	0.500	"	236		99.0	74.2-128				
Potassium	1940	5.00	"	2570		75.5	61.1-139				
Selenium	120	1.00	"	127		94.8	66.6-134				
Silver	58.0	0.500	"	66.2		87.5	67.1-133				
Sodium	1030	10.0	"	1040		99.1	60.4-139				
Thallium	126	1.00	"	140		90.1	68.3-132				
Vanadium	139	1.00	"	156		89.0	71.8-129				
Zinc	111	1.00	"	161		69.0	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
Batch BG40349 - EPA 7473 soil											
Blank (BG40349-BLK1)								Prepared & Analyzed: 07/09/2014			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BG40349-DUP1)	*Source sample: 14G0147-10 (3B-4 MS/MSD)							Prepared & Analyzed: 07/09/2014			
Mercury	ND	0.0335	mg/kg dry		ND					35	
Matrix Spike (BG40349-MS1)	*Source sample: 14G0147-10 (3B-4 MS/MSD)							Prepared & Analyzed: 07/09/2014			
Mercury	0.396		mg/kg	0.500	0.00501	78.3	75-125				
Reference (BG40349-SRM1)								Prepared & Analyzed: 07/09/2014			
Mercury	3.3308		mg/kg	3.73		89.3	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
Batch BG40482 - Analysis Preparation Soil											
Blank (BG40482-BLK1)								Prepared & Analyzed: 07/11/2014			
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BG40482-DUP1)	*Source sample: 14G0147-04 (3B-2 8.5')							Prepared & Analyzed: 07/11/2014			
Cyanide, total	ND	0.557	mg/kg dry		ND					15	
Matrix Spike (BG40482-MS1)	*Source sample: 14G0147-04 (3B-2 8.5')							Prepared & Analyzed: 07/11/2014			
Cyanide, total	10.0	0.557	mg/kg dry	11.1	ND	90.0	79.6-107				
Reference (BG40482-SRM1)								Prepared & Analyzed: 07/11/2014			
Cyanide, total	66.0		ug/mL	59.3		111	38.4-202				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14G0147-01	3B-1 2"	40mL Vial with Stir Bar-Cool 4° C
14G0147-02	3B-1 8.5'	40mL Vial with Stir Bar-Cool 4° C
14G0147-03	3B-2 2"	40mL Vial with Stir Bar-Cool 4° C
14G0147-04	3B-2 8.5'	40mL Vial with Stir Bar-Cool 4° C
14G0147-05	3B-2 18"	40mL Vial with Stir Bar-Cool 4° C
14G0147-06	3B-3 2'	40mL Vial with Stir Bar-Cool 4° C
14G0147-07	3B-3 15'	40mL Vial with Stir Bar-Cool 4° C
14G0147-08	3B-4 2"	40mL Vial with Stir Bar-Cool 4° C
14G0147-09	3B-4 8.5'	40mL Vial with Stir Bar-Cool 4° C
14G0147-10	3B-4 MS/MSD	40mL Vial with Stir Bar-Cool 4° C

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-MISpk	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The SRM was within acceptance limits, therefore data are acceptable.
M-LSRD	Original sample conc <50 X reporting limit.
M-HCSpk	Sample conc. >10 X spike conc.
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.
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.

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. 1460147

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: Ecosystems Strategies Inc	Company: Richard	Company: Brendan	WY07054	RUSH - Same Day ☐	Summary Report ___
Address:	Address:	Address:	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary ___
Phone No.	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package ___
Contact Person:	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg ___
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT (NY) NJ	RUSH - Four Day ☐	NY ASP A Package ___
				Standard(5-7 Days) ☒	NY ASP B Package ☒
					NJDEP Red. Deliv. ___
					Electronic Data Deliverables (EDD)
					Simple Excel ___
					NYSDEC EQuIS ☒
					EQuIS (std) ___
					EZ-EDD (EQuIS) ___
					NJDEP SRP HazSite EDD ___
					GIS/KEY (std) ___
					Other ___
					York Regulatory Comparison
					Excel Spreadsheet ___
					Compare to the following Regs. (please fill in):

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.

R. Hooker
Samples Collected/Authorized By (Signature)

R. Hooker
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Restrict	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Deliverables/Volume	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB-1 2"	7/1/14	S	TCL VOCs, SVOCs, TAL Metals	1x4oz + 4x40ml vials
SB-1 8.5'			↓	↓
SB-2 2"			↓	↓
SB-2 8.5'			FULL TCL	↓
SB-2 18'			TCL VOCs only	4x40ml Vials
SB-3 2"			TCL VOCs, SVOCs, TAL Metals	1x4oz + 4x40ml
SB-3 15'			↓	↓
SB-4 2"			↓	↓
SB-4 8.5'	↓	↓	↓	↓

Comments

Preservation Check those Applicable
4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc Ascorbic Acid Other

Special Instructions

Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Christine Arone	7/3/14	[illegible]	7-3-14 9:55
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		P Grace	7-3-14 1530

Temperature on Receipt 3.8 °C

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

Field Chain-of-Custody Record

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

York Project No. 1460147

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: Ecosystems Strategies Inc.	Company: Richard	Company: Brenda	WY07054	RUSH - Same Day ☐	Summary Report ____
Address:	Address:	Address:	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary ____
Phone No.	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package ____
Contact Person:	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg ____
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT (NY) NJ	RUSH - Four Day ☐	NY ASP A Package ____
				Standard(5-7 Days) ☒	NY ASP B Package ☒
					NJDEP Red. Deliv. ____

Electronic Data Deliverables (EDD)
Simple Excel ____
NYSDEC EQuIS ☒
EQuIS (std) ____
EZ-EDD (EQuIS) ____
NJDEP SRP HazSite EDD ____
GIS/KEY (std) ____
Other ____
York Regulatory Comparison
Excel Spreadsheet
Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)
R. Hoolow
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
3B-4 MS	7/1/14	S	TBD	1X 40Z + 4X40 ML
3B-4 MSD	7/1/14	S	TBD	1X 40Z + 4X40ML

Comments

Preservation
Check those Applicable
4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____
ZnAc Ascorbic Acid Other

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By: Andrew Crone — Date/Time: 7/8/14
Samples Received By: [signature] — Date/Time: 7-3-14 9:55
Samples Relinquished By: ____ — Date/Time: ____
Samples Received in LAB by: [signature] — Date/Time: 7-3-14 1030

Temperature on Receipt: 3.8

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Report Date: 07/10/2014
Client Project ID: WY07054
York Project (SDG) No.: 14G0264

Report Date: 07/10/2014
Client Project ID: WY07054
York Project (SDG) No.: 14G0264

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

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 July 03, 2014 and listed below. The project was identified as your project: **WY07054**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14G0264-01	AST	Oil	07/02/2014	07/03/2014

General Notes for York Project (SDG) No.: 14G0264

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 07/10/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: AST

York Sample ID: 14G0264-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14G0264	WY07054	Oil	July 2, 2014 3:00 pm	07/03/2014

Petroleum Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Petroleum Identification	No. 2 Fuel oil\Diesel		ID only			1	EPA 8015D	07/10/2014 13:24	07/10/2014 14:48	JW

Notes and Definitions

GC-15 No. 2 Fuel oil\Diesel

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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.

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. 14-0264

YOUR Information	**Report To:**	**Invoice To:**
Company: Ecosystems Strategies	Company: Richard	Company: Brenda
Address:	Address:	Address:
Phone No.	Phone No.	Phone No.
Contact Person:	Attention:	Attention:
E-Mail Address:	E-Mail Address:	E-Mail Address:

YOUR Project ID: WY07054

Purchase Order No.:

Samples from: CT ___ (NY) ___ NJ ___

Turn-Around Time

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

Report Type

- Summary Report ____
- Summary w/ QA Summary ____
- CT RCP Package ____
- CTRCP DQA/DUE Pkg ____
- NY ASP A Package ____
- NY ASP B Package ____
- NJDEP Red. Deliv. ____

Electronic Data Deliverables (EDD)

- Simple Excel ____
- NYSDEC EQuIS ____
- EQuIS (std) ____
- EZ-EDD (EQuIS) ____
- NJDEP SRP HazSite EDD ____
- GIS/KEY (std) ____
- Other ____
- **York Regulatory Comparison Excel Spreadsheet** ____

Compare to the following Regs. (please fill in):

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.

R Mosher
Samples Collected/Authorized By (Signature)

Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
AST	7/2/14	Petroleum oil	Product identification (Fuel)	1x 8oz jar

Comments

Preservation Check those Applicable

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions

Field Filtered ☐
Lab to Filter ☐

Anstrew Arane	7/3/14	Chris C	7-3-14 9:55
Samples Relinquished By	Date/Time	Samples Received By	Date/Time
		Please	7-3-14 1530
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time

Temperature on Receipt 3.8 °C

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Report Date: 08/29/2014
Client Project ID: WY07054
York Project (SDG) No.: 14H1092

Report Date: 08/29/2014
Client Project ID: WY07054
York Project (SDG) No.: 14H1092

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

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 August 28, 2014 and listed below. The project was identified as your project: **WY07054**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14H1092-01	3 HB-1 2''	Soil	08/27/2014	08/28/2014
14H1092-02	3 HB-1 8.5''	Soil	08/27/2014	08/28/2014
14H1092-03	3 HB-2 6-8''	Soil	08/27/2014	08/28/2014
14H1092-04	3 HB-3 2''	Soil	08/27/2014	08/28/2014
14H1092-05	3 HB-3 8.5''	Soil	08/27/2014	08/28/2014
14H1092-06	3MW-1	Water	08/27/2014	08/28/2014
14H1092-07	3MW-2	Water	08/27/2014	08/28/2014
14H1092-08	MW-A	Water	08/27/2014	08/28/2014
14H1092-09	Trip Blank	Water	08/27/2014	08/28/2014

General Notes for York Project (SDG) No.: 14H1092

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 08/29/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: 3 HB-1 2"

York Sample ID: 14H1092-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Volatile Organics, TCL (Target Compound List)

Log-in Notes: VOA-CONT **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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.0	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.0	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
78-93-3	2-Butanone	ND		ug/kg dry	5.0	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
591-78-6	2-Hexanone	ND		ug/kg dry	5.0	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
67-64-1	**Acetone**	**8.9**	J, B	ug/kg dry	5.0	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
71-43-2	Benzene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
75-25-2	Bromoform	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
74-83-9	Bromomethane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
75-00-3	Chloroethane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
67-66-3	Chloroform	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
74-87-3	Chloromethane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.0	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK

Sample Information

Client Sample ID: 3 HB-1 2"

York Sample ID: 14H1092-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Volatile Organics, TCL (Target Compound List)

Log-in Notes: VOA-CONT **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
91-20-3	Naphthalene	ND		ug/kg dry	5.0	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
95-47-6	o-Xylene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
100-42-5	Styrene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
108-88-3	Toluene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.0	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.0	30	1	EPA 8260C	08/28/2014 08:51	08/29/2014 10:27	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*108 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*90-112*

Semi-Volatiles, EPA TCL List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by 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	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
120-12-7	Anthracene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
65-85-0	Benzoic acid	ND		ug/kg dry	115	336	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH

Sample Information

Client Sample ID: **3 HB-1 2"** **York Sample ID:** **14H1092-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Semi-Volatiles, EPA TCL List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
218-01-9	Chrysene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	168	335	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
131-11-3	**Dimethyl phthalate**	**172**		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	168	336	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
206-44-0	Fluoranthene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
86-73-7	Fluorene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
77-47-4	**Hexachlorocyclopentadiene**	**167**	J	ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
78-59-1	Isophorone	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH

Sample Information

Client Sample ID: 3 HB-1 2"

York Sample ID: 14H1092-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Semi-Volatiles, EPA TCL List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
91-20-3	Naphthalene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	84.6	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
85-01-8	Phenanthrene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
108-95-2	Phenol	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
129-00-0	Pyrene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	42.3	168	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:10	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*38.5 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*46.8 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*43.3 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*50.8 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*64.4 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*58.1 %*	*10-137*

Sample Information

Client Sample ID: 3 HB-1 2''

York Sample ID: 14H1092-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Pesticides, EPA TCL List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	84.1	84.1	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.30	8.30	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
72-20-8	Endrin	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.64	6.64	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
309-00-2	Aldrin	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.66	1.66	5	EPA 8081B	08/28/2014 20:00	08/29/2014 13:18	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*53.2 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*42.6 %*	*30-140*

Polychlorinated Biphenyls (PCB)

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550C

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	0.0168	0.0168	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:14	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0168	0.0168	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:14	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0168	0.0168	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:14	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0168	0.0168	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:14	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0168	0.0168	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:14	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0168	0.0168	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:14	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0168	0.0168	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:14	AMC

Sample Information

Client Sample ID: 3 HB-1 2''

York Sample ID: 14H1092-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0168	0.0168	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:14	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*56.0 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*35.0 %*	*30-140*

Metals, Target Analyte

Log-in Notes: VOA-CONT **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**	**4380**		mg/kg dry	1.01	1.01	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-36-0	**Antimony**	**0.591**		mg/kg dry	0.503	0.503	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-38-2	**Arsenic**	**1.87**		mg/kg dry	1.01	1.01	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-39-3	**Barium**	**42.7**		mg/kg dry	1.01	1.01	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.101	0.101	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.302	0.302	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-70-2	**Calcium**	**1920**		mg/kg dry	0.503	5.03	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-47-3	**Chromium**	**18.7**		mg/kg dry	0.503	0.503	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-48-4	**Cobalt**	**4.77**		mg/kg dry	0.503	0.503	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-50-8	**Copper**	**14.2**		mg/kg dry	0.503	0.503	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7439-89-6	**Iron**	**9610**		mg/kg dry	2.01	2.01	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7439-92-1	**Lead**	**55.4**		mg/kg dry	0.302	0.302	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7439-95-4	**Magnesium**	**1900**		mg/kg dry	5.03	5.03	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7439-96-5	**Manganese**	**102**		mg/kg dry	0.503	0.503	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-02-0	**Nickel**	**11.8**		mg/kg dry	0.503	0.503	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-09-7	**Potassium**	**671**		mg/kg dry	5.03	5.03	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7782-49-2	**Selenium**	**1.34**		mg/kg dry	1.01	1.01	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-22-4	Silver	ND		mg/kg dry	0.503	0.503	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-23-5	**Sodium**	**89.5**		mg/kg dry	10.1	10.1	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-28-0	Thallium	ND		mg/kg dry	1.01	1.01	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-62-2	**Vanadium**	**17.2**		mg/kg dry	1.01	1.01	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW
7440-66-6	**Zinc**	**42.1**		mg/kg dry	1.01	1.01	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:50	MW

Sample Information

Client Sample ID: 3 HB-1 2"

York Sample ID: 14H1092-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Mercury by 7473

Log-in Notes: VOA-CONT **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**	**0.224**		mg/kg dry	0.0302	0.0302	1	EPA 7473	08/29/2014 06:52	08/29/2014 11:38	ALD

Total Solids

Log-in Notes: VOA-CONT **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**	**99.3**		%	0.100	0.100	1	SM 2540G	08/29/2014 12:51	08/29/2014 15:31	KK

Cyanide, Total

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.503	0.503	1	EPA 9014/9010C	08/29/2014 07:43	08/29/2014 13:15	AD

Sample Information

Client Sample ID: 3 HB-1 8.5"

York Sample ID: 14H1092-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Volatile Organics, TCL (Target Compound List)

Log-in Notes: VOA-CONT **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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.8	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.8	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK

Sample Information

Client Sample ID: 3 HB-1 8.5"

York Sample ID: 14H1092-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Volatile Organics, TCL (Target Compound List)

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
78-93-3	2-Butanone	ND		ug/kg dry	5.8	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
591-78-6	2-Hexanone	ND		ug/kg dry	5.8	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
67-64-1	Acetone	ND		ug/kg dry	5.8	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
71-43-2	Benzene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
75-25-2	Bromoform	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
74-83-9	Bromomethane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
75-00-3	Chloroethane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
67-66-3	Chloroform	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
74-87-3	Chloromethane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.8	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
91-20-3	Naphthalene	ND		ug/kg dry	5.8	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
95-47-6	o-Xylene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.8	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
100-42-5	Styrene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
108-88-3	Toluene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK

Sample Information

Client Sample ID: 3 HB-1 8.5"

York Sample ID: 14H1092-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Volatile Organics, TCL (Target Compound List)

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.8	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.8	35	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:01	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*90-112*

Semi-Volatiles, EPA TCL List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by 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	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
120-12-7	Anthracene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
65-85-0	Benzoic acid	ND		ug/kg dry	131	384	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
218-01-9	Chrysene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH

Sample Information

Client Sample ID: 3 HB-1 8.5''

York Sample ID: 14H1092-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Semi-Volatiles, EPA TCL List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	193	384	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	193	384	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
206-44-0	Fluoranthene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
86-73-7	Fluorene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
78-59-1	Isophorone	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
91-20-3	Naphthalene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	96.8	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH

Sample Information

Client Sample ID: 3 HB-1 8.5''

York Sample ID: 14H1092-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Semi-Volatiles, EPA TCL List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
108-95-2	Phenol	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
129-00-0	Pyrene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	48.4	192	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:40	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*34.1 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*40.6 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*33.4 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*37.7 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*50.9 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*39.4 %*	*10-137*

Metals, Target Analyte

Log-in Notes: VOA-CONT **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**	**4350**		mg/kg dry	1.15	1.15	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-36-0	Antimony	ND		mg/kg dry	0.576	0.576	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-38-2	**Arsenic**	**1.55**		mg/kg dry	1.15	1.15	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-39-3	**Barium**	**44.4**		mg/kg dry	1.15	1.15	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.346	0.346	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-70-2	**Calcium**	**2940**		mg/kg dry	0.576	5.76	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-47-3	**Chromium**	**19.1**		mg/kg dry	0.576	0.576	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-48-4	**Cobalt**	**4.68**		mg/kg dry	0.576	0.576	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-50-8	**Copper**	**13.4**		mg/kg dry	0.576	0.576	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7439-89-6	**Iron**	**9450**		mg/kg dry	2.31	2.31	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7439-92-1	**Lead**	**63.6**		mg/kg dry	0.346	0.346	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7439-95-4	**Magnesium**	**1870**		mg/kg dry	5.76	5.76	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7439-96-5	**Manganese**	**99.4**		mg/kg dry	0.576	0.576	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-02-0	**Nickel**	**12.0**		mg/kg dry	0.576	0.576	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-09-7	**Potassium**	**610**		mg/kg dry	5.76	5.76	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7782-49-2	**Selenium**	**1.21**		mg/kg dry	1.15	1.15	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-22-4	Silver	ND		mg/kg dry	0.576	0.576	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-23-5	**Sodium**	**87.8**		mg/kg dry	11.5	11.5	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW

Sample Information

Client Sample ID: 3 HB-1 8.5" **York Sample ID:** 14H1092-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Metals, Target Analyte

Log-in Notes: VOA-CONT **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
7440-62-2	**Vanadium**	**17.5**		mg/kg dry	1.15	1.15	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW
7440-66-6	**Zinc**	**45.2**		mg/kg dry	1.15	1.15	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:54	MW

Mercury by 7473

Log-in Notes: VOA-CONT **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**	**0.277**		mg/kg dry	0.0346	0.0346	1	EPA 7473	08/29/2014 06:52	08/29/2014 11:47	ALD

Total Solids

Log-in Notes: VOA-CONT **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**	**86.7**		%	0.100	0.100	1	SM 2540G	08/29/2014 12:51	08/29/2014 15:31	KK

Sample Information

Client Sample ID: 3 HB-2 6-8" **York Sample ID:** 14H1092-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Polychlorinated Biphenyls (PCB)

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550C

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	0.0222	0.0222	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:43	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0222	0.0222	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:43	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0222	0.0222	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:43	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0222	0.0222	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:43	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0222	0.0222	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:43	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0222	0.0222	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:43	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0222	0.0222	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:43	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0222	0.0222	1	EPA 8082A	08/28/2014 20:00	08/29/2014 13:43	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*56.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*33.5 %*	*30-140*

Sample Information

Client Sample ID: **3 HB-2 6-8''** **York Sample ID:** **14H1092-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Total Solids

Log-in Notes: VOA-CONT **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**	**75.1**		%	0.100	0.100	1	SM 2540G	08/29/2014 12:51	08/29/2014 15:31	KK

Sample Information

Client Sample ID: **3 HB-3 2''** **York Sample ID:** **14H1092-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Volatile Organics, TCL (Target Compound List)

Log-in Notes: VOA-CONT **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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.1	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.1	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
78-93-3	2-Butanone	ND		ug/kg dry	5.1	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
591-78-6	2-Hexanone	ND		ug/kg dry	5.1	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
67-64-1	**Acetone**	**8.4**	J, B	ug/kg dry	5.1	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
71-43-2	Benzene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
75-25-2	Bromoform	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
74-83-9	Bromomethane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK

Sample Information

Client Sample ID: 3 HB-3 2''

York Sample ID: 14H1092-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Volatile Organics, TCL (Target Compound List)

Log-in Notes: VOA-CONT **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	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
75-00-3	Chloroethane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
67-66-3	Chloroform	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
74-87-3	Chloromethane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.1	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
91-20-3	Naphthalene	ND		ug/kg dry	5.1	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
95-47-6	o-Xylene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.1	20	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
100-42-5	Styrene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
108-88-3	Toluene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.1	10	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.1	31	1	EPA 8260C	08/28/2014 08:51	08/29/2014 11:35	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*108 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*90-112*

Sample Information

Client Sample ID: 3 HB-3 2''

York Sample ID: 14H1092-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Semi-Volatiles, EPA TCL List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by 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	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
120-12-7	**Anthracene**	**197**		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
56-55-3	**Benzo(a)anthracene**	**467**		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
50-32-8	**Benzo(a)pyrene**	**143**	J	ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
205-99-2	**Benzo(b)fluoranthene**	**174**		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
65-85-0	Benzoic acid	ND		ug/kg dry	116	339	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
207-08-9	**Benzo(k)fluoranthene**	**198**		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
218-01-9	**Chrysene**	**439**		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
132-64-9	**Dibenzofuran**	**42.8**	J	ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	170	339	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	170	339	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH

Sample Information

Client Sample ID: **3 HB-3 2''** **York Sample ID:** **14H1092-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Semi-Volatiles, EPA TCL List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by 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	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
206-44-0	**Fluoranthene**	**956**		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
86-73-7	**Fluorene**	**64.8**	J	ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**66.9**	J	ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
78-59-1	Isophorone	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
91-20-3	Naphthalene	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	85.5	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
85-01-8	**Phenanthrene**	**692**		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
108-95-2	Phenol	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
129-00-0	**Pyrene**	**660**		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	42.8	170	1	EPA 8270D	08/28/2014 19:00	08/29/2014 10:40	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*45.4 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*53.2 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*45.7 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*51.8 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*61.8 %*	*10-150*
1718-51-0	*Surrogate: Terphenyl-d14*	*55.1 %*	*10-137*

Sample Information

Client Sample ID: **3 HB-3 2''** **York Sample ID:** **14H1092-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Metals, Target Analyte

Log-in Notes: VOA-CONT **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**	**6300**		mg/kg dry	1.02	1.02	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-36-0	**Antimony**	**0.739**		mg/kg dry	0.509	0.509	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-38-2	**Arsenic**	**5.05**		mg/kg dry	1.02	1.02	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-39-3	**Barium**	**125**		mg/kg dry	1.02	1.02	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.102	0.102	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-43-9	**Cadmium**	**0.343**		mg/kg dry	0.305	0.305	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-70-2	**Calcium**	**5310**		mg/kg dry	0.509	5.09	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-47-3	**Chromium**	**26.9**		mg/kg dry	0.509	0.509	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-48-4	**Cobalt**	**5.11**		mg/kg dry	0.509	0.509	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-50-8	**Copper**	**42.9**		mg/kg dry	0.509	0.509	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7439-89-6	**Iron**	**10600**		mg/kg dry	2.04	2.04	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7439-92-1	**Lead**	**229**		mg/kg dry	0.305	0.305	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7439-95-4	**Magnesium**	**2580**		mg/kg dry	5.09	5.09	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7439-96-5	**Manganese**	**153**		mg/kg dry	0.509	0.509	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-02-0	**Nickel**	**16.3**		mg/kg dry	0.509	0.509	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-09-7	**Potassium**	**926**		mg/kg dry	5.09	5.09	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7782-49-2	**Selenium**	**1.35**		mg/kg dry	1.02	1.02	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-22-4	Silver	ND		mg/kg dry	0.509	0.509	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-23-5	**Sodium**	**105**		mg/kg dry	10.2	10.2	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-28-0	Thallium	ND		mg/kg dry	1.02	1.02	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-62-2	**Vanadium**	**26.7**		mg/kg dry	1.02	1.02	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW
7440-66-6	**Zinc**	**183**		mg/kg dry	1.02	1.02	1	EPA 6010C	08/29/2014 08:20	08/29/2014 09:59	MW

Mercury by 7473

Log-in Notes: VOA-CONT **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**	**0.225**		mg/kg dry	0.0305	0.0305	1	EPA 7473	08/29/2014 06:52	08/29/2014 11:56	ALD

Sample Information

Client Sample ID: **3 HB-3 2''** **York Sample ID:** **14H1092-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Total Solids

Log-in Notes: VOA-CONT **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**	**98.2**		%	0.100	0.100	1	SM 2540G	08/29/2014 12:51	08/29/2014 15:31	KK

Sample Information

Client Sample ID: **3 HB-3 8.5''** **York Sample ID:** **14H1092-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Volatile Organics, TCL (Target Compound List)

Log-in Notes: VOA-CONT **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
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.9	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.9	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
78-93-3	2-Butanone	ND		ug/kg dry	5.9	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
591-78-6	2-Hexanone	ND		ug/kg dry	5.9	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
67-64-1	Acetone	ND		ug/kg dry	5.9	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
71-43-2	Benzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
75-25-2	Bromoform	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
74-83-9	Bromomethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK

Sample Information

Client Sample ID: 3 HB-3 8.5"

York Sample ID: 14H1092-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Volatile Organics, TCL (Target Compound List)

Log-in Notes: VOA-CONT **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	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
75-00-3	Chloroethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
67-66-3	Chloroform	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
74-87-3	Chloromethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.9	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
91-20-3	Naphthalene	ND		ug/kg dry	5.9	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
95-47-6	o-Xylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.9	23	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
100-42-5	Styrene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
108-88-3	Toluene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	5.9	12	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.9	35	1	EPA 8260C	08/28/2014 08:51	08/29/2014 12:08	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*67-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*75-127*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*90-112*

Sample Information

Client Sample ID: 3 HB-3 8.5"

York Sample ID: 14H1092-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Semi-Volatiles, EPA TCL List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by 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	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
120-12-7	Anthracene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
65-85-0	Benzoic acid	ND		ug/kg dry	134	390	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
218-01-9	Chrysene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	196	390	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	196	390	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH

Sample Information

Client Sample ID: 3 HB-3 8.5''

York Sample ID: 14H1092-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Semi-Volatiles, EPA TCL List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by 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	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
206-44-0	Fluoranthene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
86-73-7	Fluorene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
78-59-1	Isophorone	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
91-20-3	Naphthalene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	98.4	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
85-01-8	Phenanthrene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
108-95-2	Phenol	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
129-00-0	Pyrene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	49.2	195	1	EPA 8270D	08/28/2014 19:00	08/29/2014 09:10	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*27.7 %*	*10-105*
4165-62-2	*Surrogate: Phenol-d5*	*32.0 %*	*10-118*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*26.7 %*	*10-140*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*30.2 %*	*10-126*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*33.6 %*	*10-150*

Sample Information

Client Sample ID: 3 HB-3 8.5"

York Sample ID: 14H1092-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Semi-Volatiles, EPA TCL List

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by 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*	*30.1 %*			*10-137*						

Metals, Target Analyte

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3910**		mg/kg dry	1.17	1.17	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-36-0	Antimony	ND		mg/kg dry	0.586	0.586	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-38-2	**Arsenic**	**1.25**		mg/kg dry	1.17	1.17	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-39-3	**Barium**	**26.3**		mg/kg dry	1.17	1.17	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.117	0.117	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.351	0.351	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-70-2	**Calcium**	**1970**		mg/kg dry	0.586	5.86	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-47-3	**Chromium**	**13.4**		mg/kg dry	0.586	0.586	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-48-4	**Cobalt**	**4.37**		mg/kg dry	0.586	0.586	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-50-8	**Copper**	**11.7**		mg/kg dry	0.586	0.586	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7439-89-6	**Iron**	**8620**		mg/kg dry	2.34	2.34	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7439-92-1	**Lead**	**25.7**		mg/kg dry	0.351	0.351	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7439-95-4	**Magnesium**	**2010**		mg/kg dry	5.86	5.86	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7439-96-5	**Manganese**	**142**		mg/kg dry	0.586	0.586	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-02-0	**Nickel**	**12.1**		mg/kg dry	0.586	0.586	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-09-7	**Potassium**	**592**		mg/kg dry	5.86	5.86	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7782-49-2	Selenium	ND		mg/kg dry	1.17	1.17	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-22-4	Silver	ND		mg/kg dry	0.586	0.586	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-23-5	**Sodium**	**91.2**		mg/kg dry	11.7	11.7	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-28-0	Thallium	ND		mg/kg dry	1.17	1.17	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-62-2	**Vanadium**	**14.5**		mg/kg dry	1.17	1.17	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW
7440-66-6	**Zinc**	**21.6**		mg/kg dry	1.17	1.17	1	EPA 6010C	08/29/2014 08:20	08/29/2014 10:04	MW

Sample Information

Client Sample ID: 3 HB-3 8.5'' **York Sample ID:** 14H1092-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Soil	August 27, 2014 3:00 pm	08/28/2014

Mercury by 7473

Log-in Notes: VOA-CONT **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	08/29/2014 06:52	08/29/2014 08:19	ALD

Total Solids

Log-in Notes: VOA-CONT **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	08/29/2014 12:51	08/29/2014 15:31	KK

Sample Information

Client Sample ID: 3MW-1 **York Sample ID:** 14H1092-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Volatile Organics, TCL (Target Compound List)

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
591-78-6	2-Hexanone	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS

Sample Information

Client Sample ID: 3MW-1 **York Sample ID:** 14H1092-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Volatile Organics, TCL (Target Compound List)

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
67-64-1	Acetone	ND		ug/L	2.5	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
75-15-0	Carbon disulfide	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	08/29/2014 08:00	08/29/2014 13:48	SS

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: 3MW-1 **York Sample ID:** 14H1092-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Volatile Organics, TCL (Target Compound List)

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
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*			*81-123*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.9 %*			*70-128*						
2037-26-5	*Surrogate: Toluene-d8*	*105 %*			*88-114*						

Semi-Volatiles, EPA TCL List

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

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
208-96-8	Acenaphthylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
120-12-7	Anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
65-85-0	Benzoic acid	ND		ug/L	27.0	54.1	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
218-01-9	Chrysene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH

Sample Information

Client Sample ID: 3MW-1 **York Sample ID:** 14H1092-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Semi-Volatiles, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	0.541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
206-44-0	Fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
86-73-7	Fluorene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	0.0216	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	0.541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
67-72-1	Hexachloroethane	ND		ug/L	0.541	0.541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
91-20-3	Naphthalene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
98-95-3	Nitrobenzene	ND		ug/L	0.270	0.270	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.270	0.270	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
85-01-8	Phenanthrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
129-00-0	Pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:16	ZZZ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH

Sample Information

Client Sample ID: 3MW-1 **York Sample ID:** 14H1092-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Semi-Volatiles, EPA TCL List

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

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 13:51	KH
	Surrogate Recoveries	**Result**			**Acceptance Range**						
367-12-4	*Surrogate: 2-Fluorophenol*	*13.8 %*			*10-53*						
4165-62-2	*Surrogate: Phenol-d5*	*10.5 %*			*10-39*						
4165-60-0	*Surrogate: Nitrobenzene-d5*	*36.9 %*			*10-120*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*39.3 %*			*10-108*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*61.1 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*55.4 %*			*10-143*						

Pesticides, EPA TCL List

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
8001-35-2	Toxaphene	ND		ug/L	0.108	0.108	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
72-43-5	Methoxychlor	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
76-44-8	Heptachlor	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
53494-70-5	Endrin ketone	ND		ug/L	0.0108	0.0108	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	0.0108	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
72-20-8	Endrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
959-98-8	Endosulfan I	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
60-57-1	Dieldrin	ND		ug/L	0.00216	0.00216	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
319-86-8	delta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
57-74-9	Chlordane, total	ND		ug/L	0.0432	0.0432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
319-85-7	beta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
319-84-6	alpha-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
309-00-2	Aldrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
72-54-8	4,4'-DDD	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 10:58	JW
	Surrogate Recoveries	**Result**			**Acceptance Range**						
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*33.7 %*			*30-120*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*39.2 %*			*30-120*						

Sample Information

Client Sample ID: 3MW-1 **York Sample ID:** 14H1092-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

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	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:04	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:04	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:04	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:04	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:04	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:04	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:04	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:04	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*38.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*67.5 %*	*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	**Aluminum**	**0.013**		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-39-3	**Barium**	**0.069**		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-70-2	**Calcium**	**82.2**		mg/L	0.050	0.050	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7439-89-6	**Iron**	**0.028**		mg/L	0.020	0.020	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7439-95-4	**Magnesium**	**9.74**		mg/L	0.050	0.050	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7439-96-5	**Manganese**	**0.431**		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-02-0	**Nickel**	**0.006**		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-09-7	**Potassium**	**5.82**		mg/L	0.050	0.050	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-23-5	**Sodium**	**13.6**		mg/L	0.100	0.100	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW

Sample Information

Client Sample ID: 3MW-1 **York Sample ID:** 14H1092-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

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
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:00	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7470

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	0.0002	0.0002	1	EPA 7470	08/29/2014 14:55	08/29/2014 14:55	AD

Sample Information

Client Sample ID: 3MW-2 **York Sample ID:** 14H1092-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Volatile Organics, TCL (Target Compound List)

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
95-63-6	**1,2,4-Trimethylbenzene**	**35**		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
108-67-8	**1,3,5-Trimethylbenzene**	**3.6**	J	ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
591-78-6	2-Hexanone	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS

Sample Information

Client Sample ID: 3MW-2 **York Sample ID:** 14H1092-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Volatile Organics, TCL (Target Compound List)

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
67-64-1	Acetone	ND		ug/L	2.5	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
71-43-2	**Benzene**	**310**		ug/L	25	50	10	EPA 8260C	08/29/2014 08:00	08/29/2014 17:12	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
75-15-0	Carbon disulfide	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
100-41-4	**Ethyl Benzene**	**91**		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
98-82-8	**Isopropylbenzene**	**10**		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**47**		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
91-20-3	**Naphthalene**	**18**	B	ug/L	2.5	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
103-65-1	**n-Propylbenzene**	**12**		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
95-47-6	**o-Xylene**	**18**		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
179601-23-1	**p- & m- Xylenes**	**71**		ug/L	5.0	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
108-88-3	**Toluene**	**10**		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS
1330-20-7	**Xylenes, Total**	**90**		ug/L	7.5	15	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:17	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*81-123*

Sample Information

Client Sample ID: 3MW-2 **York Sample ID:** 14H1092-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Volatile Organics, TCL (Target Compound List)

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
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*			*70-128*						
2037-26-5	*Surrogate: Toluene-d8*	*105 %*			*88-114*						

Semi-Volatiles, EPA TCL List

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

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	**Acenaphthene**	**0.126**		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
208-96-8	Acenaphthylene	ND		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
120-12-7	Anthracene	ND		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
65-85-0	Benzoic acid	ND		ug/L	28.6	57.1	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
100-51-6	Benzyl alcohol	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
218-01-9	Chrysene	ND		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
132-64-9	Dibenzofuran	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH

Sample Information

Client Sample ID: 3MW-2 **York Sample ID:** 14H1092-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Semi-Volatiles, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.971**		ug/L	0.571	0.571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
206-44-0	Fluoranthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
86-73-7	**Fluorene**	**0.160**		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
118-74-1	Hexachlorobenzene	ND		ug/L	0.0229	0.0229	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.571	0.571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
67-72-1	Hexachloroethane	ND		ug/L	0.571	0.571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
78-59-1	Isophorone	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
95-48-7	2-Methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
91-20-3	**Naphthalene**	**11.0**		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
98-95-3	Nitrobenzene	ND		ug/L	0.286	0.286	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.286	0.286	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
85-01-8	Phenanthrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
108-95-2	Phenol	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
129-00-0	Pyrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D	08/29/2014 08:03	08/29/2014 11:46	ZZZ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:21	KH

Sample Information

Client Sample ID: 3MW-2 **York Sample ID:** 14H1092-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Semi-Volatiles, EPA TCL List

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

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**			**Acceptance Range**						
367-12-4	*Surrogate: 2-Fluorophenol*	*18.4 %*			*10-53*						
4165-62-2	*Surrogate: Phenol-d5*	*12.6 %*			*10-39*						
4165-60-0	*Surrogate: Nitrobenzene-d5*	*41.9 %*			*10-120*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*125 %*	S-04		*10-108*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*75.1 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*52.9 %*			*10-143*						

Pesticides, EPA TCL 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	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/L	0.105	0.105	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
72-43-5	Methoxychlor	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
76-44-8	Heptachlor	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
53494-70-5	Endrin ketone	ND		ug/L	0.0105	0.0105	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	0.0105	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
72-20-8	Endrin	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
959-98-8	Endosulfan I	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
60-57-1	Dieldrin	ND		ug/L	0.00211	0.00211	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
319-86-8	delta-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
57-74-9	Chlordane, total	ND		ug/L	0.0421	0.0421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
319-85-7	beta-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
319-84-6	alpha-BHC	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
309-00-2	Aldrin	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
72-54-8	4,4'-DDD	ND		ug/L	0.00421	0.00421	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:13	JW
	Surrogate Recoveries	**Result**			**Acceptance Range**						
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*50.8 %*			*30-120*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*30.8 %*			*30-120*						

Sample Information

Client Sample ID: 3MW-2 **York Sample ID:** 14H1092-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

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	0.0526	0.0526	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:23	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	0.0526	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:23	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	0.0526	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:23	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	0.0526	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:23	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	0.0526	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:23	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	0.0526	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:23	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	0.0526	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:23	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0526	0.0526	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:23	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*60.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*61.0 %*	*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	**Aluminum**	**0.086**		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-39-3	**Barium**	**0.128**		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-70-2	**Calcium**	**113**		mg/L	0.050	0.050	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7439-89-6	**Iron**	**0.250**		mg/L	0.020	0.020	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7439-95-4	**Magnesium**	**30.8**		mg/L	0.050	0.050	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7439-96-5	**Manganese**	**5.64**		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-09-7	**Potassium**	**5.85**		mg/L	0.050	0.050	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7782-49-2	**Selenium**	**0.013**		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-23-5	**Sodium**	**46.7**		mg/L	0.100	0.100	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW

Sample Information

Client Sample ID: 3MW-2 **York Sample ID:** 14H1092-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

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
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:18	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7470

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	0.0002	0.0002	1	EPA 7470	08/29/2014 14:55	08/29/2014 14:55	AD

Sample Information

Client Sample ID: MW-A **York Sample ID:** 14H1092-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Volatile Organics, TCL (Target Compound List)

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
591-78-6	2-Hexanone	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS

Sample Information

Client Sample ID: MW-A **York Sample ID:** 14H1092-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Volatile Organics, TCL (Target Compound List)

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
67-64-1	Acetone	ND		ug/L	2.5	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
75-15-0	Carbon disulfide	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	08/29/2014 08:00	08/29/2014 14:46	SS

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: MW-A

York Sample ID: 14H1092-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Volatile Organics, TCL (Target Compound List)

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
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*111 %*			*81-123*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.2 %*			*70-128*						
2037-26-5	*Surrogate: Toluene-d8*	*102 %*			*88-114*						

Semi-Volatiles, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
208-96-8	Acenaphthylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
120-12-7	Anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
65-85-0	Benzoic acid	ND		ug/L	27.0	54.1	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
218-01-9	Chrysene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH

Sample Information

Client Sample ID: MW-A **York Sample ID:** 14H1092-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Semi-Volatiles, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.562**		ug/L	0.541	0.541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
206-44-0	Fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
86-73-7	Fluorene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	0.0216	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	0.541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
67-72-1	Hexachloroethane	ND		ug/L	0.541	0.541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
91-20-3	**Naphthalene**	**0.0541**	J	ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
98-95-3	Nitrobenzene	ND		ug/L	0.270	0.270	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.270	0.270	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
85-01-8	Phenanthrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
129-00-0	Pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D	08/29/2014 08:03	08/29/2014 12:16	ZZZ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH

Sample Information

Client Sample ID: **MW-A** **York Sample ID:** **14H1092-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

Semi-Volatiles, EPA TCL List

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

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D	08/29/2014 08:03	08/29/2014 14:53	KH
	Surrogate Recoveries	**Result**			**Acceptance Range**						
367-12-4	*Surrogate: 2-Fluorophenol*	*14.7 %*			*10-53*						
4165-62-2	*Surrogate: Phenol-d5*	*9.35 %*	S-04		*10-39*						
4165-60-0	*Surrogate: Nitrobenzene-d5*	*33.9 %*			*10-120*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*35.0 %*			*10-108*						
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*48.5 %*			*10-150*						
1718-51-0	*Surrogate: Terphenyl-d14*	*48.6 %*			*10-143*						

Pesticides, EPA TCL List

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
8001-35-2	Toxaphene	ND		ug/L	0.108	0.108	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
72-43-5	Methoxychlor	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
76-44-8	Heptachlor	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
53494-70-5	Endrin ketone	ND		ug/L	0.0108	0.0108	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	0.0108	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
72-20-8	Endrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
959-98-8	Endosulfan I	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
60-57-1	**Dieldrin**	**0.00327**		ug/L	0.00216	0.00216	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
319-86-8	delta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
57-74-9	Chlordane, total	ND		ug/L	0.0432	0.0432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
319-85-7	beta-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
319-84-6	alpha-BHC	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
309-00-2	Aldrin	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
72-54-8	4,4'-DDD	ND		ug/L	0.00432	0.00432	1	EPA 8081B	08/29/2014 08:00	08/29/2014 11:28	JW
	Surrogate Recoveries	**Result**			**Acceptance Range**						
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*52.9 %*			*30-120*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*23.6 %*	GC-Sur r		*30-120*						

Sample Information

Client Sample ID: **MW-A** **York Sample ID:** **14H1092-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

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	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:42	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:42	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:42	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:42	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:42	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:42	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:42	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0541	0.0541	1	EPA 8082A	08/29/2014 08:00	08/29/2014 12:42	AMC

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*56.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*36.5 %*	*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	**Aluminum**	**0.213**		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-39-3	**Barium**	**0.058**		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-70-2	**Calcium**	**60.4**		mg/L	0.050	0.050	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7439-89-6	**Iron**	**0.190**		mg/L	0.020	0.020	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7439-92-1	**Lead**	**0.003**		mg/L	0.003	0.003	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7439-95-4	**Magnesium**	**10.8**		mg/L	0.050	0.050	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7439-96-5	**Manganese**	**1.02**		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-09-7	**Potassium**	**3.97**		mg/L	0.050	0.050	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-23-5	**Sodium**	**4.80**		mg/L	0.100	0.100	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW

Sample Information

Client Sample ID: MW-A **York Sample ID:** 14H1092-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 12:00 am	08/28/2014

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
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C	08/29/2014 08:22	08/29/2014 11:23	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7470

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	0.0002	0.0002	1	EPA 7470	08/29/2014 14:55	08/29/2014 14:55	AD

Sample Information

Client Sample ID: Trip Blank **York Sample ID:** 14H1092-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 3:00 pm	08/28/2014

Volatile Organics, TCL (Target Compound List)

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
591-78-6	2-Hexanone	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **14H1092-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 3:00 pm	08/28/2014

Volatile Organics, TCL (Target Compound List)

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
67-64-1	Acetone	ND		ug/L	2.5	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
75-15-0	Carbon disulfide	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
91-20-3	Naphthalene	ND		ug/L	2.5	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	08/29/2014 08:00	08/29/2014 15:15	SS

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **14H1092-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H1092	WY07054	Water	August 27, 2014 3:00 pm	08/28/2014

Volatile Organics, TCL (Target Compound List)

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
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*			*81-123*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.5 %*			*70-128*						
2037-26-5	*Surrogate: Toluene-d8*	*104 %*			*88-114*						

Analytical Batch Summary

Batch ID: BH41507 **Preparation Method:** EPA 3550C **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14H1092-01	3 HB-1 2"	08/28/14
14H1092-02	3 HB-1 8.5"	08/28/14
14H1092-04	3 HB-3 2"	08/28/14
14H1092-05	3 HB-3 8.5"	08/28/14
BH41507-BLK1	Blank	08/28/14
BH41507-BS1	LCS	08/28/14
BH41507-MS1	Matrix Spike	08/28/14
BH41507-MSD1	Matrix Spike Dup	08/28/14

Batch ID: BH41508 **Preparation Method:** EPA 3550C **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
14H1092-01	3 HB-1 2"	08/28/14
14H1092-01	3 HB-1 2"	08/28/14
14H1092-03	3 HB-2 6-8"	08/28/14
BH41508-BLK1	Blank	08/28/14
BH41508-BLK1	Blank	08/28/14
BH41508-BS1	LCS	08/28/14
BH41508-BS2	LCS	08/28/14
BH41508-BSD1	LCS Dup	08/28/14
BH41508-BSD2	LCS Dup	08/28/14
BH41508-MS1	Matrix Spike	08/28/14
BH41508-MS2	Matrix Spike	08/28/14

Batch ID: BH41544 **Preparation Method:** EPA 7473 soil **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14H1092-01	3 HB-1 2"	08/29/14
14H1092-02	3 HB-1 8.5"	08/29/14
14H1092-04	3 HB-3 2"	08/29/14
14H1092-05	3 HB-3 8.5"	08/29/14
BH41544-BLK1	Blank	08/29/14
BH41544-DUP1	Duplicate	08/29/14
BH41544-MS1	Matrix Spike	08/29/14
BH41544-SRM1	Reference	08/29/14

Batch ID: BH41546 **Preparation Method:** Analysis Preparation Soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
14H1092-01	3 HB-1 2"	08/29/14
BH41546-BLK1	Blank	08/29/14
BH41546-SRM1	Reference	08/29/14

Batch ID: BH41548 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14H1092-06	3MW-1	08/29/14
14H1092-06	3MW-1	08/29/14
14H1092-07	3MW-2	08/29/14
14H1092-07	3MW-2	08/29/14
14H1092-08	MW-A	08/29/14
14H1092-08	MW-A	08/29/14
BH41548-BLK1	Blank	08/29/14
BH41548-BLK1	Blank	08/29/14
BH41548-BS1	LCS	08/29/14
BH41548-BS2	LCS	08/29/14
BH41548-BSD1	LCS Dup	08/29/14
BH41548-BSD2	LCS Dup	08/29/14

Batch ID: BH41549 **Preparation Method:** EPA 3510C **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14H1092-06	3MW-1	08/29/14
14H1092-07	3MW-2	08/29/14
14H1092-08	MW-A	08/29/14
BH41549-BLK1	Blank	08/29/14
BH41549-BS1	LCS	08/29/14
BH41549-BS2	LCS	08/29/14
BH41549-BSD1	LCS Dup	08/29/14

Batch ID: BH41550 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14H1092-01	3 HB-1 2"	08/29/14
14H1092-02	3 HB-1 8.5"	08/29/14
14H1092-04	3 HB-3 2"	08/29/14
14H1092-05	3 HB-3 8.5"	08/29/14
BH41550-BLK1	Blank	08/29/14
BH41550-DUP1	Duplicate	08/29/14
BH41550-MS1	Matrix Spike	08/29/14
BH41550-SRM1	Reference	08/29/14

Batch ID: BH41551 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14H1092-06	3MW-1	08/29/14
14H1092-07	3MW-2	08/29/14
14H1092-08	MW-A	08/29/14
BH41551-BLK1	Blank	08/29/14
BH41551-DUP1	Duplicate	08/29/14
BH41551-MS1	Matrix Spike	08/29/14
BH41551-SRM1	Reference	08/29/14
BH41551-SRM2	Reference	08/29/14

Batch ID: BH41567 **Preparation Method:** EPA 5035A **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
14H1092-01	3 HB-1 2"	08/28/14
14H1092-02	3 HB-1 8.5"	08/28/14
14H1092-04	3 HB-3 2"	08/28/14
14H1092-05	3 HB-3 8.5"	08/28/14
BH41567-BLK1	Blank	08/29/14
BH41567-BS1	LCS	08/29/14
BH41567-BSD1	LCS Dup	08/29/14

Batch ID: BH41569 **Preparation Method:** EPA 5030B **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
14H1092-06	3MW-1	08/29/14
14H1092-07	3MW-2	08/29/14
14H1092-07RE1	3MW-2	08/29/14
14H1092-08	MW-A	08/29/14
14H1092-09	Trip Blank	08/29/14
BH41569-BLK1	Blank	08/29/14
BH41569-BS1	LCS	08/29/14
BH41569-BSD1	LCS Dup	08/29/14

Batch ID: BH41575 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14H1092-01	3 HB-1 2"	08/29/14
14H1092-02	3 HB-1 8.5"	08/29/14
14H1092-03	3 HB-2 6-8"	08/29/14
14H1092-04	3 HB-3 2"	08/29/14
14H1092-05	3 HB-3 8.5"	08/29/14
BH41575-DUP1	Duplicate	08/29/14

Batch ID: BH41584 **Preparation Method:** EPA SW846-7470 **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
14H1092-06	3MW-1	08/29/14
14H1092-07	3MW-2	08/29/14
14H1092-08	MW-A	08/29/14
BH41584-BLK1	Blank	08/29/14
BH41584-BS1	LCS	08/29/14
BH41584-DUP1	Duplicate	08/29/14

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
Batch BH41567 - EPA 5035A											
Blank (BH41567-BLK1)											Prepared & Analyzed: 08/29/2014
1,1,1-Trichloroethane	ND	5.0	ug/kg wet								
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	"								
1,2,4-Trichlorobenzene	ND	10	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	10	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
2-Butanone	ND	10	"								
2-Hexanone	ND	10	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	4.5	10	"								
Benzene	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	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	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	3.7	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41567 - EPA 5035A											
Blank (BH41567-BLK1)								Prepared & Analyzed: 08/29/2014			
Surrogate: 1,2-Dichloroethane-d4	*48.7*		*ug/L*	*50.0*		*97.5*	*67-130*				
Surrogate: p-Bromofluorobenzene	*51.8*		*"*	*50.0*		*104*	*75-127*				
Surrogate: Toluene-d8	*51.5*		*"*	*50.0*		*103*	*90-112*				
LCS (BH41567-BS1)								Prepared & Analyzed: 08/29/2014			
1,1,1-Trichloroethane	51		ug/L	50.0		102	74-126				
1,1,2,2-Tetrachloroethane	58		"	50.0		116	72-133				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50		"	50.0		99.5	47-160				
1,1,2-Trichloroethane	56		"	50.0		112	81-124				
1,1-Dichloroethane	51		"	50.0		103	80-125				
1,1-Dichloroethylene	49		"	50.0		97.8	62-136				
1,2,4-Trichlorobenzene	60		"	50.0		119	61-158				
1,2,4-Trimethylbenzene	57		"	50.0		114	83-123				
1,2-Dibromo-3-chloropropane	65		"	50.0		129	48-152				
1,2-Dibromoethane	56		"	50.0		111	81-123				
1,2-Dichloroethane	52		"	50.0		105	67-129				
1,2-Dichloropropane	57		"	50.0		113	74-127				
1,3,5-Trimethylbenzene	55		"	50.0		110	81-120				
2-Butanone	74		"	50.0		148	58-159				
2-Hexanone	76		"	50.0		152	50-154				
4-Methyl-2-pentanone	59		"	50.0		118	53-149				
Acetone	74		"	50.0		149	32-173				
Benzene	50		"	50.0		99.5	83-126				
Bromodichloromethane	57		"	50.0		113	74-126				
Bromoform	55		"	50.0		110	63-137				
Bromomethane	30		"	50.0		60.3	24-144				
Carbon disulfide	47		"	50.0		93.2	29-64	High Bias			
Carbon tetrachloride	51		"	50.0		102	68-132				
Chlorobenzene	54		"	50.0		107	87-115				
Chloroethane	50		"	50.0		99.0	39-146				
Chloroform	52		"	50.0		103	84-120				
Chloromethane	44		"	50.0		87.4	35-153				
cis-1,2-Dichloroethylene	49		"	50.0		98.7	86-121				
cis-1,3-Dichloropropylene	56		"	50.0		113	78-122				
Dibromochloromethane	54		"	50.0		108	41-149				
Dichlorodifluoromethane	37		"	50.0		74.5	52-143				
Ethyl Benzene	56		"	50.0		112	81-118				
Methyl tert-butyl ether (MTBE)	51		"	50.0		103	62-140				
Methylene chloride	49		"	50.0		97.5	48-143				
Naphthalene	65		"	50.0		130	55-160				
n-Butylbenzene	63		"	50.0		126	71-142				
n-Propylbenzene	56		"	50.0		112	80-123				
o-Xylene	56		"	50.0		111	81-118				
p- & m- Xylenes	110		"	100		112	80-120				
sec-Butylbenzene	56		"	50.0		111	84-123				
Styrene	55		"	50.0		110	85-115				
tert-Butylbenzene	55		"	50.0		109	78-122				
Tetrachloroethylene	50		"	50.0		101	76-129				
Toluene	55		"	50.0		109	85-116				
trans-1,2-Dichloroethylene	50		"	50.0		101	66-136				
trans-1,3-Dichloropropylene	57		"	50.0		115	71-128				
Trichloroethylene	54		"	50.0		107	83-118				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41567 - EPA 5035A											
LCS (BH41567-BS1)								Prepared & Analyzed: 08/29/2014			
Trichlorofluoromethane	49		ug/L	50.0		97.8	54-141				
Vinyl Chloride	45		"	50.0		90.6	38-147				
Surrogate: 1,2-Dichloroethane-d4	*53.0*		*"*	*50.0*		*106*	*67-130*				
Surrogate: p-Bromofluorobenzene	*49.3*		*"*	*50.0*		*98.5*	*75-127*				
Surrogate: Toluene-d8	*52.4*		*"*	*50.0*		*105*	*90-112*				
LCS Dup (BH41567-BSD1)								Prepared & Analyzed: 08/29/2014			
1,1,1-Trichloroethane	51		ug/L	50.0		101	74-126		1.34	30	
1,1,2,2-Tetrachloroethane	57		"	50.0		114	72-133		1.90	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49		"	50.0		97.6	47-160		1.93	30	
1,1,2-Trichloroethane	54		"	50.0		108	81-124		3.18	30	
1,1-Dichloroethane	50		"	50.0		100	80-125		2.11	30	
1,1-Dichloroethylene	48		"	50.0		95.7	62-136		2.17	30	
1,2,4-Trichlorobenzene	59		"	50.0		118	61-158		0.572	30	
1,2,4-Trimethylbenzene	57		"	50.0		114	83-123		0.369	30	
1,2-Dibromo-3-chloropropane	60		"	50.0		120	48-152		7.19	30	
1,2-Dibromoethane	54		"	50.0		109	81-123		2.40	30	
1,2-Dichloroethane	53		"	50.0		106	67-129		1.33	30	
1,2-Dichloropropane	54		"	50.0		109	74-127		3.97	30	
1,3,5-Trimethylbenzene	54		"	50.0		109	81-120		0.825	30	
2-Butanone	63		"	50.0		126	58-159		15.9	30	
2-Hexanone	66		"	50.0		131	50-154		14.7	30	
4-Methyl-2-pentanone	55		"	50.0		110	53-149		7.26	30	
Acetone	62		"	50.0		124	32-173		18.4	30	
Benzene	49		"	50.0		98.1	83-126		1.48	30	
Bromodichloromethane	55		"	50.0		110	74-126		2.31	30	
Bromoform	54		"	50.0		107	63-137		2.26	30	
Bromomethane	27		"	50.0		54.0	24-144		11.1	30	
Carbon disulfide	46		"	50.0		91.1	29-64	High Bias	2.30	30	
Carbon tetrachloride	51		"	50.0		103	68-132		0.664	30	
Chlorobenzene	53		"	50.0		107	87-115		0.485	30	
Chloroethane	47		"	50.0		94.4	39-146		4.74	30	
Chloroform	51		"	50.0		103	84-120		0.505	30	
Chloromethane	42		"	50.0		84.2	35-153		3.75	30	
cis-1,2-Dichloroethylene	49		"	50.0		97.2	86-121		1.61	30	
cis-1,3-Dichloropropylene	56		"	50.0		111	78-122		1.36	30	
Dibromochloromethane	54		"	50.0		108	41-149		0.130	30	
Dichlorodifluoromethane	36		"	50.0		72.9	52-143		2.20	30	
Ethyl Benzene	55		"	50.0		110	81-118		1.37	30	
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.7	62-140		3.06	30	
Methylene chloride	49		"	50.0		97.7	48-143		0.266	30	
Naphthalene	64		"	50.0		128	55-160		1.22	30	
n-Butylbenzene	63		"	50.0		126	71-142		0.111	30	
n-Propylbenzene	55		"	50.0		110	80-123		0.973	30	
o-Xylene	55		"	50.0		110	81-118		1.06	30	
p- & m- Xylenes	110		"	100		110	80-120		1.47	30	
sec-Butylbenzene	55		"	50.0		110	84-123		1.03	30	
Styrene	54		"	50.0		109	85-115		0.787	30	
tert-Butylbenzene	53		"	50.0		107	78-122		2.16	30	
Tetrachloroethylene	50		"	50.0		99.5	76-129		1.00	30	
Toluene	54		"	50.0		107	85-116		1.83	30	
trans-1,2-Dichloroethylene	49		"	50.0		98.4	66-136		2.09	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41567 - EPA 5035A											
LCS Dup (BH41567-BSD1)								Prepared & Analyzed: 08/29/2014			
trans-1,3-Dichloropropylene	56		ug/L	50.0		113	71-128		1.49	30	
Trichloroethylene	52		"	50.0		104	83-118		2.68	30	
Trichlorofluoromethane	49		"	50.0		97.2	54-141		0.657	30	
Vinyl Chloride	43		"	50.0		86.9	38-147		4.15	30	
Surrogate: 1,2-Dichloroethane-d4	*51.2*		*"*	*50.0*		*102*	*67-130*				
Surrogate: p-Bromofluorobenzene	*48.6*		*"*	*50.0*		*97.2*	*75-127*				
Surrogate: Toluene-d8	*51.9*		*"*	*50.0*		*104*	*90-112*				
Batch BH41569 - EPA 5030B											
Blank (BH41569-BLK1)								Prepared & Analyzed: 08/29/2014			
1,1,1-Trichloroethane	ND	5.0	ug/L								
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	"								
1,2,4-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-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	3.5	10	"								
Benzene	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	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	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	3.5	10	"								
Naphthalene	3.2	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
sec-Butylbenzene	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
Batch BH41569 - EPA 5030B											
Blank (BH41569-BLK1)								Prepared & Analyzed: 08/29/2014			
Styrene	ND	5.0	ug/L								
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	"								
Surrogate: 1,2-Dichloroethane-d4	*54.7*		*"*	*50.0*		*109*	*81-123*				
Surrogate: p-Bromofluorobenzene	*47.2*		*"*	*50.0*		*94.3*	*70-128*				
Surrogate: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*88-114*				
LCS (BH41569-BS1)								Prepared & Analyzed: 08/29/2014			
1,1,1-Trichloroethane	48		ug/L	50.0		95.3	74-128				
1,1,2,2-Tetrachloroethane	55		"	50.0		110	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	65		"	50.0		131	51-157				
1,1,2-Trichloroethane	52		"	50.0		103	80-122				
1,1-Dichloroethane	49		"	50.0		97.3	70-131				
1,1-Dichloroethylene	44		"	50.0		88.5	60-143				
1,2,4-Trichlorobenzene	49		"	50.0		97.8	65-143				
1,2,4-Trimethylbenzene	51		"	50.0		102	83-121				
1,2-Dibromo-3-chloropropane	58		"	50.0		117	60-146				
1,2-Dibromoethane	52		"	50.0		104	82-122				
1,2-Dichloroethane	49		"	50.0		97.3	72-126				
1,2-Dichloropropane	51		"	50.0		102	78-119				
1,3,5-Trimethylbenzene	51		"	50.0		102	84-118				
2-Butanone	54		"	50.0		108	48-156				
2-Hexanone	59		"	50.0		117	50-151				
4-Methyl-2-pentanone	77		"	50.0		154	55-147	High Bias			
Acetone	58		"	50.0		116	21-172				
Benzene	46		"	50.0		92.1	82-120				
Bromodichloromethane	54		"	50.0		107	84-117				
Bromoform	54		"	50.0		108	77-130				
Bromomethane	52		"	50.0		104	16-162				
Carbon disulfide	43		"	50.0		85.9	21-78	High Bias			
Carbon tetrachloride	46		"	50.0		92.7	72-132				
Chlorobenzene	48		"	50.0		96.6	88-112				
Chloroethane	45		"	50.0		89.6	29-172				
Chloroform	48		"	50.0		96.5	77-124				
Chloromethane	42		"	50.0		84.0	37-131				
cis-1,2-Dichloroethylene	47		"	50.0		94.5	77-124				
cis-1,3-Dichloropropylene	55		"	50.0		110	81-117				
Dibromochloromethane	51		"	50.0		103	72-131				
Dichlorodifluoromethane	33		"	50.0		65.5	47-152				
Ethyl Benzene	49		"	50.0		97.2	86-114				
Isopropylbenzene	52		"	50.0		104	84-118				
Methyl tert-butyl ether (MTBE)	48		"	50.0		96.8	49-156				
Methylene chloride	48		"	50.0		96.2	51-145				
Naphthalene	53		"	50.0		106	67-141				
n-Butylbenzene	51		"	50.0		101	76-125				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41569 - EPA 5030B											
LCS (BH41569-BS1)								Prepared & Analyzed: 08/29/2014			
n-Propylbenzene	51		ug/L	50.0		101	84-118				
o-Xylene	52		"	50.0		103	85-114				
p- & m- Xylenes	100		"	100		99.5	84-117				
sec-Butylbenzene	52		"	50.0		104	85-119				
Styrene	50		"	50.0		101	77-126				
tert-Butylbenzene	54		"	50.0		108	83-119				
Tetrachloroethylene	50		"	50.0		99.2	75-129				
Toluene	49		"	50.0		97.8	86-113				
trans-1,2-Dichloroethylene	47		"	50.0		93.5	55-148				
trans-1,3-Dichloropropylene	55		"	50.0		109	77-120				
Trichloroethylene	51		"	50.0		101	85-115				
Trichlorofluoromethane	42		"	50.0		83.1	69-131				
Vinyl Chloride	41		"	50.0		81.9	44-152				
Surrogate: 1,2-Dichloroethane-d4	*51.8*		*"*	*50.0*		*104*	*81-123*				
Surrogate: p-Bromofluorobenzene	*51.3*		*"*	*50.0*		*103*	*70-128*				
Surrogate: Toluene-d8	*52.3*		*"*	*50.0*		*105*	*88-114*				
LCS Dup (BH41569-BSD1)								Prepared & Analyzed: 08/29/2014			
1,1,1-Trichloroethane	50		ug/L	50.0		99.8	74-128		4.57	30	
1,1,2,2-Tetrachloroethane	52		"	50.0		105	71-130		4.58	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	65		"	50.0		130	51-157		0.536	30	
1,1,2-Trichloroethane	49		"	50.0		98.4	80-122		4.82	30	
1,1-Dichloroethane	49		"	50.0		98.7	70-131		1.37	30	
1,1-Dichloroethylene	44		"	50.0		88.2	60-143		0.317	30	
1,2,4-Trichlorobenzene	49		"	50.0		97.3	65-143		0.533	30	
1,2,4-Trimethylbenzene	51		"	50.0		103	83-121		0.565	30	
1,2-Dibromo-3-chloropropane	54		"	50.0		108	60-146		7.73	30	
1,2-Dibromoethane	52		"	50.0		104	82-122		0.480	30	
1,2-Dichloroethane	46		"	50.0		92.6	72-126		4.91	30	
1,2-Dichloropropane	51		"	50.0		101	78-119		0.828	30	
1,3,5-Trimethylbenzene	51		"	50.0		101	84-118		0.789	30	
2-Butanone	56		"	50.0		111	48-156		3.18	30	
2-Hexanone	57		"	50.0		113	50-151		3.28	30	
4-Methyl-2-pentanone	52		"	50.0		103	55-147		39.4	30	Non-dir.
Acetone	66		"	50.0		132	21-172		13.1	30	
Benzene	45		"	50.0		90.5	82-120		1.75	30	
Bromodichloromethane	51		"	50.0		103	84-117		4.27	30	
Bromoform	53		"	50.0		106	77-130		2.28	30	
Bromomethane	53		"	50.0		107	16-162		2.93	30	
Carbon disulfide	44		"	50.0		87.7	21-78	High Bias	2.03	30	
Carbon tetrachloride	47		"	50.0		93.9	72-132		1.31	30	
Chlorobenzene	49		"	50.0		98.4	88-112		1.85	30	
Chloroethane	45		"	50.0		90.0	29-172		0.423	30	
Chloroform	49		"	50.0		98.0	77-124		1.58	30	
Chloromethane	42		"	50.0		83.1	37-131		1.13	30	
cis-1,2-Dichloroethylene	45		"	50.0		89.8	77-124		5.17	30	
cis-1,3-Dichloropropylene	53		"	50.0		106	81-117		4.21	30	
Dibromochloromethane	50		"	50.0		101	72-131		2.04	30	
Dichlorodifluoromethane	34		"	50.0		68.7	47-152		4.74	30	
Ethyl Benzene	48		"	50.0		95.4	86-114		1.85	30	
Isopropylbenzene	54		"	50.0		107	84-118		3.09	30	
Methyl tert-butyl ether (MTBE)	49		"	50.0		98.0	49-156		1.23	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41569 - EPA 5030B											
LCS Dup (BH41569-BSD1)								Prepared & Analyzed: 08/29/2014			
Methylene chloride	50		ug/L	50.0		99.2	51-145		3.01	30	
Naphthalene	53		"	50.0		105	67-141		1.25	30	
n-Butylbenzene	51		"	50.0		102	76-125		1.06	30	
n-Propylbenzene	51		"	50.0		103	84-118		1.65	30	
o-Xylene	50		"	50.0		101	85-114		2.66	30	
p- & m- Xylenes	97		"	100		97.1	84-117		2.47	30	
sec-Butylbenzene	55		"	50.0		109	85-119		4.38	30	
Styrene	49		"	50.0		97.9	77-126		2.76	30	
tert-Butylbenzene	54		"	50.0		108	83-119		0.166	30	
Tetrachloroethylene	51		"	50.0		103	75-129		3.37	30	
Toluene	48		"	50.0		95.9	86-113		1.98	30	
trans-1,2-Dichloroethylene	50		"	50.0		99.2	55-148		5.98	30	
trans-1,3-Dichloropropylene	53		"	50.0		105	77-120		4.01	30	
Trichloroethylene	51		"	50.0		102	85-115		0.0985	30	
Trichlorofluoromethane	42		"	50.0		84.3	69-131		1.51	30	
Vinyl Chloride	40		"	50.0		79.2	44-152		3.38	30	
Surrogate: 1,2-Dichloroethane-d4	*50.1*		*"*	*50.0*		*100*	*81-123*				
Surrogate: p-Bromofluorobenzene	*51.3*		*"*	*50.0*		*103*	*70-128*				
Surrogate: Toluene-d8	*49.0*		*"*	*50.0*		*97.9*	*88-114*				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41507 - EPA 3550C											
Blank (BH41507-BLK1)											
Prepared: 08/28/2014 Analyzed: 08/29/2014											
Acenaphthene	ND	167	ug/kg wet								
Acenaphthylene	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	"								
Benzoic acid	ND	333	"								
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	"								
1,2-Dichlorobenzene	ND	167	"								
1,4-Dichlorobenzene	ND	167	"								
1,3-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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41507 - EPA 3550C											
Blank (BH41507-BLK1)								Prepared: 08/28/2014 Analyzed: 08/29/2014			
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-Nitrosodiphenylamine	ND	167	"								
Pentachlorophenol	ND	167	"								
Phenanthrene	ND	167	"								
Phenol	ND	167	"								
Pyrene	ND	167	"								
1,2,4-Trichlorobenzene	ND	167	"								
2,4,5-Trichlorophenol	ND	167	"								
2,4,6-Trichlorophenol	ND	167	"								
Surrogate: 2-Fluorophenol	*1750*		*"*	*2510*		*70.0*	*10-105*				
Surrogate: Phenol-d5	*1930*		*"*	*2500*		*77.2*	*10-118*				
Surrogate: Nitrobenzene-d5	*1050*		*"*	*1670*		*62.9*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*1160*		*"*	*1670*		*69.9*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*1960*		*"*	*2500*		*78.5*	*10-150*				
Surrogate: Terphenyl-d14	*1070*		*"*	*1670*		*64.5*	*10-137*				
LCS (BH41507-BS1)								Prepared: 08/28/2014 Analyzed: 08/29/2014			
Acenaphthene	1100	167	ug/kg wet	1670		65.8	17-124				
Acenaphthylene	1050	167	"	1670		62.8	16-124				
Anthracene	1310	167	"	1670		78.4	24-124				
Benzo(a)anthracene	1070	167	"	1670		64.0	25-134				
Benzo(a)pyrene	1170	167	"	1670		70.4	29-144				
Benzo(b)fluoranthene	1080	167	"	1670		65.0	20-151				
Benzo(g,h,i)perylene	1090	167	"	1670		65.4	10-153				
Benzoic acid	ND	333	"	1670			10-116	Low Bias			
Benzo(k)fluoranthene	1130	167	"	1670		67.6	10-148				
Benzyl alcohol	1290	167	"	1670		77.1	17-128				
Benzyl butyl phthalate	981	167	"	1670		58.9	10-132				
4-Bromophenyl phenyl ether	1530	167	"	1670		91.6	30-138				
4-Chloro-3-methylphenol	1140	167	"	1670		68.5	16-138				
4-Chloroaniline	1070	167	"	1670		64.4	10-117				
Bis(2-chloroethoxy)methane	1230	167	"	1670		73.8	10-129				
Bis(2-chloroethyl)ether	1310	167	"	1670		78.8	14-125				
Bis(2-chloroisopropyl)ether	2310	167	"	1670		139	14-122	High Bias			
2-Chloronaphthalene	1190	167	"	1670		71.3	22-115				
2-Chlorophenol	1210	167	"	1670		72.7	25-121				
4-Chlorophenyl phenyl ether	1330	167	"	1670		79.7	18-132				
Chrysene	967	167	"	1670		58.0	24-116				
Dibenzo(a,h)anthracene	992	167	"	1670		59.5	17-147				
Dibenzofuran	1140	167	"	1670		68.7	23-123				
Di-n-butyl phthalate	1190	167	"	1670		71.6	19-123				
1,2-Dichlorobenzene	1150	167	"	1670		68.7	26-113				
1,4-Dichlorobenzene	1280	167	"	1670		77.0	28-111				
1,3-Dichlorobenzene	1340	167	"	1670		80.1	32-113				
3,3'-Dichlorobenzidine	1430	333	"	1670		85.9	10-147				
2,4-Dichlorophenol	1230	167	"	1670		74.1	23-133				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41507 - EPA 3550C											
LCS (BH41507-BS1)								Prepared: 08/28/2014 Analyzed: 08/29/2014			
Diethyl phthalate	1170	167	ug/kg wet	1670		70.2	23-122				
2,4-Dimethylphenol	1060	167	"	1670		63.4	15-131				
Dimethyl phthalate	1250	167	"	1670		74.9	28-127				
4,6-Dinitro-2-methylphenol	705	167	"	1670		42.3	10-149				
2,4-Dinitrophenol	ND	333	"	1670			10-149	Low Bias			
2,4-Dinitrotoluene	1320	167	"	1670		79.2	30-123				
2,6-Dinitrotoluene	1410	167	"	1670		84.7	30-125				
Di-n-octyl phthalate	1020	167	"	1670		61.4	10-132				
Bis(2-ethylhexyl)phthalate	1020	167	"	1670		61.4	10-141				
Fluoranthene	1380	167	"	1670		82.9	36-125				
Fluorene	1200	167	"	1670		71.8	16-130				
Hexachlorobenzene	975	167	"	1670		58.5	10-129				
Hexachlorobutadiene	1210	167	"	1670		72.4	22-153				
Hexachlorocyclopentadiene	411	167	"	1670		24.6	10-134				
Hexachloroethane	1020	167	"	1670		61.5	20-112				
Indeno(1,2,3-cd)pyrene	946	167	"	1670		56.7	10-155				
Isophorone	1220	167	"	1670		73.3	14-131				
2-Methylnaphthalene	1070	167	"	1670		64.4	16-127				
2-Methylphenol	1150	167	"	1670		69.1	10-146				
3- & 4-Methylphenols	1150	167	"	1670		69.3	20-109				
Naphthalene	1140	167	"	1670		68.6	20-121				
3-Nitroaniline	1350	167	"	1670		80.7	23-123				
2-Nitroaniline	1280	167	"	1670		76.5	24-126				
4-Nitroaniline	960	167	"	1670		57.6	14-125				
Nitrobenzene	1250	167	"	1670		75.1	20-121				
2-Nitrophenol	1080	167	"	1670		65.1	17-129				
4-Nitrophenol	672	167	"	1670		40.3	10-136				
N-nitroso-di-n-propylamine	1430	167	"	1670		85.7	21-119				
N-Nitrosodiphenylamine	1150	167	"	1670		68.9	10-163				
Pentachlorophenol	1050	167	"	1670		63.2	10-143				
Phenanthrene	1250	167	"	1670		74.9	24-123				
Phenol	1270	167	"	1670		76.0	15-123				
Pyrene	1220	167	"	1670		73.1	24-132				
1,2,4-Trichlorobenzene	1140	167	"	1670		68.7	23-130				
2,4,5-Trichlorophenol	1220	167	"	1670		73.2	14-138				
2,4,6-Trichlorophenol	1260	167	"	1670		75.5	27-122				
Surrogate: 2-Fluorophenol	*1920*		*"*	*2510*		*76.6*	*10-105*				
Surrogate: Phenol-d5	*1850*		*"*	*2500*		*74.1*	*10-118*				
Surrogate: Nitrobenzene-d5	*1140*		*"*	*1670*		*68.1*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*1150*		*"*	*1670*		*68.9*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*2290*		*"*	*2500*		*91.6*	*30-130*				
Surrogate: Terphenyl-d14	*1260*		*"*	*1670*		*75.6*	*10-137*				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41507 - EPA 3550C											
Matrix Spike (BH41507-MS1)	*Source sample: 14H1092-05 (3 HB-3 8.5")							Prepared: 08/28/2014 Analyzed: 08/29/2014			
Acenaphthene	1200	390	ug/kg dry	1950	ND	61.3	13-133				
Acenaphthylene	1150	390	"	1950	ND	58.9	25-125				
Anthracene	1450	390	"	1950	ND	74.0	27-128				
Benzo(a)anthracene	1310	390	"	1950	ND	67.0	20-147				
Benzo(a)pyrene	508	390	"	1950	ND	26.0	18-153				
Benzo(b)fluoranthene	1350	390	"	1950	ND	68.9	10-163				
Benzo(g,h,i)perylene	521	390	"	1950	ND	26.7	10-157				
Benzoic acid	ND	781	"	1950	ND		10-130	Low Bias			
Benzo(k)fluoranthene	1400	390	"	1950	ND	71.7	10-157				
Benzyl alcohol	1120	390	"	1950	ND	57.4	20-122				
Benzyl butyl phthalate	1210	390	"	1950	ND	62.1	10-129				
4-Bromophenyl phenyl ether	1770	390	"	1950	ND	90.9	32-148				
4-Chloro-3-methylphenol	1250	390	"	1950	ND	64.1	14-138				
4-Chloroaniline	1050	390	"	1950	ND	53.9	10-124				
Bis(2-chloroethoxy)methane	1120	390	"	1950	ND	57.6	12-128				
Bis(2-chloroethyl)ether	1050	390	"	1950	ND	53.8	18-113				
Bis(2-chloroisopropyl)ether	1850	390	"	1950	ND	94.5	10-130				
2-Chloronaphthalene	1130	390	"	1950	ND	57.7	31-116				
2-Chlorophenol	1000	390	"	1950	ND	51.4	28-114				
4-Chlorophenyl phenyl ether	1450	390	"	1950	ND	74.3	10-153				
Chrysene	1190	390	"	1950	ND	60.7	18-133				
Dibenzo(a,h)anthracene	492	390	"	1950	ND	25.2	10-146				
Dibenzofuran	1250	390	"	1950	ND	64.2	26-134				
Di-n-butyl phthalate	1320	390	"	1950	ND	67.6	20-128				
1,2-Dichlorobenzene	972	390	"	1950	ND	49.8	29-106				
1,4-Dichlorobenzene	939	390	"	1950	ND	48.1	26-107				
1,3-Dichlorobenzene	926	390	"	1950	ND	47.4	34-100				
3,3'-Dichlorobenzidine	914	780	"	1950	ND	46.8	10-134				
2,4-Dichlorophenol	1200	390	"	1950	ND	61.3	16-144				
Diethyl phthalate	1280	390	"	1950	ND	65.4	30-119				
2,4-Dimethylphenol	1160	390	"	1950	ND	59.4	11-133				
Dimethyl phthalate	1270	390	"	1950	ND	65.0	34-120				
4,6-Dinitro-2-methylphenol	ND	390	"	1950	ND		10-149	Low Bias			
2,4-Dinitrophenol	ND	781	"	1950	ND		10-132	Low Bias			
2,4-Dinitrotoluene	1360	390	"	1950	ND	69.5	42-113				
2,6-Dinitrotoluene	1390	390	"	1950	ND	71.0	36-124				
Di-n-octyl phthalate	1200	390	"	1950	ND	61.4	10-133				
Bis(2-ethylhexyl)phthalate	1550	390	"	1950	ND	79.2	10-138				
Fluoranthene	1580	390	"	1950	ND	81.0	10-155				
Fluorene	1280	390	"	1950	ND	65.4	12-150				
Hexachlorobenzene	1160	390	"	1950	ND	59.6	16-142				
Hexachlorobutadiene	1110	390	"	1950	ND	56.7	11-150				
Hexachlorocyclopentadiene	390	390	"	1950	ND	20.0	10-115				
Hexachloroethane	724	390	"	1950	ND	37.1	14-106				
Indeno(1,2,3-cd)pyrene	448	390	"	1950	ND	23.0	10-155				
Isophorone	1110	390	"	1950	ND	56.8	14-127				
2-Methylnaphthalene	1080	390	"	1950	ND	55.3	10-143				
2-Methylphenol	1040	390	"	1950	ND	53.4	10-160				
3- & 4-Methylphenols	1130	390	"	1950	ND	57.8	16-115				
Naphthalene	1060	390	"	1950	ND	54.2	15-132				
3-Nitroaniline	1700	390	"	1950	ND	87.0	24-128				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41507 - EPA 3550C											
Matrix Spike (BH41507-MS1)	*Source sample: 14H1092-05 (3 HB-3 8.5")								Prepared: 08/28/2014 Analyzed: 08/29/2014		
2-Nitroaniline	1340	390	ug/kg dry	1950	ND	68.4	33-122				
4-Nitroaniline	1200	390	"	1950	ND	61.6	10-151				
Nitrobenzene	1140	390	"	1950	ND	58.4	18-125				
2-Nitrophenol	637	390	"	1950	ND	32.6	12-127				
4-Nitrophenol	828	390	"	1950	ND	42.4	10-141				
N-nitroso-di-n-propylamine	1290	390	"	1950	ND	66.0	23-115				
N-Nitrosodiphenylamine	1340	390	"	1950	ND	68.5	16-166				
Pentachlorophenol	291	390	"	1950	ND	14.9	10-160				
Phenanthrene	1430	390	"	1950	ND	73.2	10-151				
Phenol	1160	390	"	1950	ND	59.2	11-124				
Pyrene	1610	390	"	1950	ND	82.7	13-148				
1,2,4-Trichlorobenzene	998	390	"	1950	ND	51.1	15-139				
2,4,5-Trichlorophenol	1400	390	"	1950	ND	71.7	10-148				
2,4,6-Trichlorophenol	1340	390	"	1950	ND	68.5	12-138				
Surrogate: 2-Fluorophenol	*1450*		*"*	*2940*		*49.4*	*10-105*				
Surrogate: Phenol-d5	*1540*		*"*	*2930*		*52.5*	*10-118*				
Surrogate: Nitrobenzene-d5	*983*		*"*	*1960*		*50.2*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*1130*		*"*	*1950*		*58.0*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*2230*		*"*	*2930*		*76.1*	*30-130*				
Surrogate: Terphenyl-d14	*1440*		*"*	*1950*		*73.8*	*10-137*				
Matrix Spike Dup (BH41507-MSD1)	*Source sample: 14H1092-05 (3 HB-3 8.5")								Prepared: 08/28/2014 Analyzed: 08/29/2014		
Acenaphthene	1510	390	ug/kg dry	1950	ND	77.5	13-133		23.3	30	
Acenaphthylene	1380	390	"	1950	ND	70.6	25-125		18.1	30	
Anthracene	1820	390	"	1950	ND	93.3	27-128		23.0	30	
Benzo(a)anthracene	1500	390	"	1950	ND	76.9	20-147		13.7	30	
Benzo(a)pyrene	522	390	"	1950	ND	26.8	18-153		2.73	30	
Benzo(b)fluoranthene	678	390	"	1950	ND	34.7	10-163		66.0	30	Non-dir.
Benzo(g,h,i)perylene	369	390	"	1950	ND	18.9	10-157		34.0	30	Non-dir.
Benzoic acid	ND	781	"	1950	ND		10-130	Low Bias		30	
Benzo(k)fluoranthene	740	390	"	1950	ND	37.9	10-157		61.6	30	Non-dir.
Benzyl alcohol	1390	390	"	1950	ND	71.0	20-122		21.1	30	
Benzyl butyl phthalate	1480	390	"	1950	ND	75.8	10-129		20.0	30	
4-Bromophenyl phenyl ether	2030	390	"	1950	ND	104	32-148		13.4	30	
4-Chloro-3-methylphenol	1520	390	"	1950	ND	78.0	14-138		19.6	30	
4-Chloroaniline	1370	390	"	1950	ND	70.2	10-124		26.2	30	
Bis(2-chloroethoxy)methane	1410	390	"	1950	ND	72.0	12-128		22.2	30	
Bis(2-chloroethyl)ether	1180	390	"	1950	ND	60.6	18-113		11.8	30	
Bis(2-chloroisopropyl)ether	2260	390	"	1950	ND	116	10-130		20.2	30	
2-Chloronaphthalene	1420	390	"	1950	ND	72.7	31-116		23.0	30	
2-Chlorophenol	1240	390	"	1950	ND	63.5	28-114		21.0	30	
4-Chlorophenyl phenyl ether	1740	390	"	1950	ND	88.9	10-153		17.9	30	
Chrysene	1360	390	"	1950	ND	69.6	18-133		13.7	30	
Dibenzo(a,h)anthracene	562	390	"	1950	ND	28.8	10-146		13.3	30	
Dibenzofuran	1520	390	"	1950	ND	77.7	26-134		19.0	30	
Di-n-butyl phthalate	1620	390	"	1950	ND	83.0	20-128		20.3	30	
1,2-Dichlorobenzene	1190	390	"	1950	ND	60.8	29-106		19.9	30	
1,4-Dichlorobenzene	1150	390	"	1950	ND	59.1	26-107		20.5	30	
1,3-Dichlorobenzene	1060	390	"	1950	ND	54.2	34-100		13.2	30	
3,3'-Dichlorobenzidine	1070	780	"	1950	ND	54.6	10-134		15.2	30	
2,4-Dichlorophenol	1530	390	"	1950	ND	78.3	16-144		24.4	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41507 - EPA 3550C											
Matrix Spike Dup (BH41507-MSD1)	*Source sample: 14H1092-05 (3 HB-3 8.5")								Prepared: 08/28/2014 Analyzed: 08/29/2014		
Diethyl phthalate	1530	390	ug/kg dry	1950	ND	78.3	30-119		18.0	30	
2,4-Dimethylphenol	1400	390	"	1950	ND	71.8	11-133		18.9	30	
Dimethyl phthalate	1550	390	"	1950	ND	79.6	34-120		20.1	30	
4,6-Dinitro-2-methylphenol	ND	390	"	1950	ND		10-149	Low Bias		30	
2,4-Dinitrophenol	ND	781	"	1950	ND		10-132	Low Bias		30	
2,4-Dinitrotoluene	1640	390	"	1950	ND	84.1	42-113		19.0	30	
2,6-Dinitrotoluene	1680	390	"	1950	ND	86.2	36-124		19.3	30	
Di-n-octyl phthalate	1400	390	"	1950	ND	71.6	10-133		15.3	30	
Bis(2-ethylhexyl)phthalate	1880	390	"	1950	ND	96.2	10-138		19.4	30	
Fluoranthene	1940	390	"	1950	ND	99.5	10-155		20.5	30	
Fluorene	1610	390	"	1950	ND	82.4	12-150		22.9	30	
Hexachlorobenzene	1410	390	"	1950	ND	72.0	16-142		18.9	30	
Hexachlorobutadiene	1350	390	"	1950	ND	69.2	11-150		19.9	30	
Hexachlorocyclopentadiene	393	390	"	1950	ND	20.1	10-115		0.798	30	
Hexachloroethane	913	390	"	1950	ND	46.8	14-106		23.1	30	
Indeno(1,2,3-cd)pyrene	494	390	"	1950	ND	25.3	10-155		9.78	30	
Isophorone	1380	390	"	1950	ND	70.9	14-127		22.1	30	
2-Methylnaphthalene	1340	390	"	1950	ND	68.7	10-143		21.6	30	
2-Methylphenol	1270	390	"	1950	ND	64.9	10-160		19.3	30	
3- & 4-Methylphenols	1340	390	"	1950	ND	68.4	16-115		16.8	30	
Naphthalene	1310	390	"	1950	ND	67.1	15-132		21.2	30	
3-Nitroaniline	1960	390	"	1950	ND	100	24-128		14.1	30	
2-Nitroaniline	1590	390	"	1950	ND	81.3	33-122		17.3	30	
4-Nitroaniline	1430	390	"	1950	ND	73.4	10-151		17.4	30	
Nitrobenzene	1400	390	"	1950	ND	71.5	18-125		20.1	30	
2-Nitrophenol	861	390	"	1950	ND	44.1	12-127		29.9	30	
4-Nitrophenol	501	390	"	1950	ND	25.6	10-141		49.3	30	Non-dir.
N-nitroso-di-n-propylamine	1570	390	"	1950	ND	80.6	23-115		20.0	30	
N-Nitrosodiphenylamine	1680	390	"	1950	ND	86.1	16-166		22.8	30	
Pentachlorophenol	495	390	"	1950	ND	25.4	10-160		51.8	30	Non-dir.
Phenanthrene	1760	390	"	1950	ND	90.3	10-151		21.0	30	
Phenol	1390	390	"	1950	ND	71.0	11-124		18.2	30	
Pyrene	1980	390	"	1950	ND	102	13-148		20.4	30	
1,2,4-Trichlorobenzene	1310	390	"	1950	ND	67.0	15-139		26.8	30	
2,4,5-Trichlorophenol	1620	390	"	1950	ND	83.1	10-148		14.7	30	
2,4,6-Trichlorophenol	1630	390	"	1950	ND	83.5	12-138		19.8	30	
Surrogate: 2-Fluorophenol	*1680*		*"*	*2940*		*57.4*	*10-105*				
Surrogate: Phenol-d5	*1830*		*"*	*2930*		*62.5*	*10-118*				
Surrogate: Nitrobenzene-d5	*1180*		*"*	*1960*		*60.4*	*10-140*				
Surrogate: 2-Fluorobiphenyl	*1340*		*"*	*1950*		*68.6*	*10-126*				
Surrogate: 2,4,6-Tribromophenol	*2810*		*"*	*2930*		*96.0*	*30-130*				
Surrogate: Terphenyl-d14	*1710*		*"*	*1950*		*87.4*	*10-137*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41549 - EPA 3510C											
Blank (BH41549-BLK1)											
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
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	"								
Benzoic acid	ND	50.0	"								
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	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
3,3'-Dichlorobenzidine	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	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	"								
3-Nitroaniline	ND	5.00	"								

Prepared & Analyzed: 08/29/2014

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41549 - EPA 3510C											
Blank (BH41549-BLK1)								Prepared & Analyzed: 08/29/2014			
2-Nitroaniline	ND	5.00	ug/L								
4-Nitroaniline	ND	5.00	"								
Nitrobenzene	ND	0.250	"								
2-Nitrophenol	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
Surrogate: 2-Fluorophenol	*59.9*		*"*	*75.2*		*79.7*	*10-53*				
Surrogate: Phenol-d5	*61.9*		*"*	*75.0*		*82.5*	*10-39*				
Surrogate: Nitrobenzene-d5	*34.1*		*"*	*50.2*		*67.8*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*37.0*		*"*	*50.0*		*73.9*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*67.4*		*"*	*75.0*		*89.9*	*10-150*				
Surrogate: Terphenyl-d14	*42.3*		*"*	*50.0*		*84.7*	*10-143*				
LCS (BH41549-BS1)								Prepared & Analyzed: 08/29/2014			
Acenaphthene	45.6	0.0500	ug/L	50.0		91.1	24-114				
Acenaphthylene	44.2	0.0500	"	50.0		88.4	26-112				
Anthracene	45.3	0.0500	"	50.0		90.6	35-114				
Benzo(a)anthracene	49.9	0.0500	"	50.0		99.8	38-127				
Benzo(a)pyrene	53.0	0.0500	"	50.0		106	30-146				
Benzo(b)fluoranthene	60.3	0.0500	"	50.0		121	36-145				
Benzo(g,h,i)perylene	51.4	0.0500	"	50.0		103	10-163				
Benzoic acid	36.0	50.0	"	50.0		72.0	30-130				
Benzo(k)fluoranthene	42.0	0.0500	"	50.0		84.1	16-149				
Benzyl alcohol	39.7	5.00	"	50.0		79.5	18-75	High Bias			
Benzyl butyl phthalate	46.6	5.00	"	50.0		93.2	28-129				
4-Bromophenyl phenyl ether	46.5	5.00	"	50.0		93.1	38-116				
4-Chloro-3-methylphenol	34.8	5.00	"	50.0		69.5	28-101				
4-Chloroaniline	31.1	5.00	"	50.0		62.2	10-154				
Bis(2-chloroethoxy)methane	39.7	5.00	"	50.0		79.3	27-112				
Bis(2-chloroethyl)ether	42.5	5.00	"	50.0		85.0	24-114				
Bis(2-chloroisopropyl)ether	47.7	5.00	"	50.0		95.4	21-124				
2-Chloronaphthalene	43.0	5.00	"	50.0		85.9	40-96				
2-Chlorophenol	38.8	5.00	"	50.0		77.7	35-84				
4-Chlorophenyl phenyl ether	44.4	5.00	"	50.0		88.8	34-112				
Chrysene	51.2	0.0500	"	50.0		102	33-120				
Dibenzo(a,h)anthracene	54.8	0.0500	"	50.0		110	10-149				
Dibenzofuran	40.8	5.00	"	50.0		81.6	42-105				
Di-n-butyl phthalate	42.0	5.00	"	50.0		84.1	36-110				
1,2-Dichlorobenzene	39.6	5.00	"	50.0		79.2	42-85				
1,4-Dichlorobenzene	42.2	5.00	"	50.0		84.4	42-82	High Bias			
1,3-Dichlorobenzene	39.9	5.00	"	50.0		79.7	45-80				
3,3'-Dichlorobenzidine	60.5	5.00	"	50.0		121	25-155				
2,4-Dichlorophenol	35.4	5.00	"	50.0		70.8	43-92				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41549 - EPA 3510C											
LCS (BH41549-BS1)								Prepared & Analyzed: 08/29/2014			
Diethyl phthalate	43.6	5.00	ug/L	50.0		87.3	38-112				
2,4-Dimethylphenol	36.7	5.00	"	50.0		73.4	25-92				
Dimethyl phthalate	44.4	5.00	"	50.0		88.8	49-106				
4,6-Dinitro-2-methylphenol	47.6	5.00	"	50.0		95.3	10-135				
2,4-Dinitrophenol	51.2	5.00	"	50.0		102	10-149				
2,4-Dinitrotoluene	46.1	5.00	"	50.0		92.1	41-114				
2,6-Dinitrotoluene	46.9	5.00	"	50.0		93.8	49-106				
Di-n-octyl phthalate	46.2	5.00	"	50.0		92.3	12-149				
Bis(2-ethylhexyl)phthalate	49.4	0.500	"	50.0		98.8	10-171				
Fluoranthene	45.2	0.0500	"	50.0		90.4	33-126				
Fluorene	45.7	0.0500	"	50.0		91.4	28-117				
Hexachlorobenzene	42.4	0.0200	"	50.0		84.9	27-120				
Hexachlorobutadiene	40.6	0.500	"	50.0		81.2	25-106				
Hexachlorocyclopentadiene	40.8	5.00	"	50.0		81.6	10-99				
Hexachloroethane	42.3	0.500	"	50.0		84.7	33-84	High Bias			
Indeno(1,2,3-cd)pyrene	54.4	0.0500	"	50.0		109	10-150				
Isophorone	38.0	5.00	"	50.0		75.9	29-115				
2-Methylnaphthalene	38.5	5.00	"	50.0		77.0	33-101				
2-Methylphenol	36.8	5.00	"	50.0		73.6	10-90				
3- & 4-Methylphenols	37.8	5.00	"	50.0		75.6	10-101				
Naphthalene	40.8	0.0500	"	50.0		81.7	30-99				
3-Nitroaniline	45.0	5.00	"	50.0		89.9	29-128				
2-Nitroaniline	40.4	5.00	"	50.0		80.8	31-122				
4-Nitroaniline	37.7	5.00	"	50.0		75.5	15-143				
Nitrobenzene	36.7	0.250	"	50.0		73.5	32-113				
2-Nitrophenol	34.3	5.00	"	50.0		68.6	37-97				
4-Nitrophenol	38.6	5.00	"	50.0		77.2	10-112				
N-nitroso-di-n-propylamine	40.6	5.00	"	50.0		81.2	36-118				
N-Nitrosodiphenylamine	46.8	5.00	"	50.0		93.6	27-145				
Pentachlorophenol	45.9	0.250	"	50.0		91.8	19-127				
Phenanthrene	47.3	0.0500	"	50.0		94.5	31-112				
Phenol	35.2	5.00	"	50.0		70.4	10-37	High Bias			
Pyrene	50.0	0.0500	"	50.0		100	42-125				
1,2,4-Trichlorobenzene	36.4	5.00	"	50.0		72.8	35-91				
2,4,5-Trichlorophenol	39.9	5.00	"	50.0		79.8	36-112				
2,4,6-Trichlorophenol	41.7	5.00	"	50.0		83.4	41-107				
Surrogate: 2-Fluorophenol	*64.5*		*"*	*75.2*		*85.7*	*10-53*				
Surrogate: Phenol-d5	*61.0*		*"*	*75.0*		*81.4*	*10-39*				
Surrogate: Nitrobenzene-d5	*35.6*		*"*	*50.2*		*70.9*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*39.2*		*"*	*50.0*		*78.5*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*75.6*		*"*	*75.0*		*101*	*10-150*				
Surrogate: Terphenyl-d14	*47.5*		*"*	*50.0*		*94.9*	*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
Batch BH41549 - EPA 3510C											
LCS (BH41549-BS2)							Prepared & Analyzed: 08/29/2014				
Acenaphthene	1.00	0.0500	ug/L	1.00		100	24-114				
Acenaphthylene	1.05	0.0500	"	1.00		105	26-112				
Anthracene	0.910	0.0500	"	1.00		91.0	35-114				
Benzo(a)anthracene	0.940	0.0500	"	1.00		94.0	38-127				
Benzo(a)pyrene	1.13	0.0500	"	1.00		113	30-146				
Benzo(b)fluoranthene	1.23	0.0500	"	1.00		123	36-145				
Benzo(g,h,i)perylene	1.13	0.0500	"	1.00		113	10-163				
Benzoic acid	ND	50.0	"				30-130				
Benzo(k)fluoranthene	1.07	0.0500	"	1.00		107	16-149				
Benzyl alcohol	ND	5.00	"				18-75				
Benzyl butyl phthalate	ND	5.00	"				28-129				
4-Bromophenyl phenyl ether	ND	5.00	"				38-116				
4-Chloro-3-methylphenol	ND	5.00	"				28-101				
4-Chloroaniline	ND	5.00	"				10-154				
Bis(2-chloroethoxy)methane	ND	5.00	"				27-112				
Bis(2-chloroethyl)ether	ND	5.00	"				24-114				
Bis(2-chloroisopropyl)ether	ND	5.00	"				21-124				
2-Chloronaphthalene	ND	5.00	"				40-96				
2-Chlorophenol	ND	5.00	"				35-84				
4-Chlorophenyl phenyl ether	ND	5.00	"				34-112				
Chrysene	0.980	0.0500	"	1.00		98.0	33-120				
Dibenzo(a,h)anthracene	1.21	0.0500	"	1.00		121	10-149				
Dibenzofuran	ND	5.00	"				42-105				
Di-n-butyl phthalate	ND	5.00	"				36-110				
1,2-Dichlorobenzene	ND	5.00	"				42-85				
1,4-Dichlorobenzene	ND	5.00	"				42-82				
1,3-Dichlorobenzene	ND	5.00	"				45-80				
3,3'-Dichlorobenzidine	ND	5.00	"				25-155				
2,4-Dichlorophenol	ND	5.00	"				43-92				
Diethyl phthalate	ND	5.00	"				38-112				
2,4-Dimethylphenol	ND	5.00	"				25-92				
Dimethyl phthalate	ND	5.00	"				49-106				
4,6-Dinitro-2-methylphenol	ND	5.00	"				10-135				
2,4-Dinitrophenol	ND	5.00	"				10-149				
2,4-Dinitrotoluene	ND	5.00	"				41-114				
2,6-Dinitrotoluene	ND	5.00	"				49-106				
Di-n-octyl phthalate	ND	5.00	"				12-149				
Bis(2-ethylhexyl)phthalate	ND	0.500	"				10-171				
Fluoranthene	1.14	0.0500	"	1.00		114	33-126				
Fluorene	1.13	0.0500	"	1.00		113	28-117				
Hexachlorobenzene	ND	0.0200	"				27-120				
Hexachlorobutadiene	ND	0.500	"				25-106				
Hexachlorocyclopentadiene	ND	5.00	"				10-99				
Hexachloroethane	ND	0.500	"				33-84				
Indeno(1,2,3-cd)pyrene	1.18	0.0500	"	1.00		118	10-150				
Isophorone	ND	5.00	"				29-115				
2-Methylnaphthalene	ND	5.00	"				33-101				
2-Methylphenol	ND	5.00	"				10-90				
3- & 4-Methylphenols	ND	5.00	"				10-101				
Naphthalene	1.40	0.0500	"	1.00		140	30-99	High Bias			
3-Nitroaniline	ND	5.00	"				29-128				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41549 - EPA 3510C											
LCS (BH41549-BS2)							Prepared & Analyzed: 08/29/2014				
2-Nitroaniline	ND	5.00	ug/L				31-122				
4-Nitroaniline	ND	5.00	"				15-143				
Nitrobenzene	ND	0.250	"				32-113				
2-Nitrophenol	ND	5.00	"				37-97				
4-Nitrophenol	ND	5.00	"				10-112				
N-nitroso-di-n-propylamine	ND	5.00	"				36-118				
N-Nitrosodiphenylamine	ND	5.00	"				27-145				
Pentachlorophenol	ND	0.250	"				19-127				
Phenanthrene	0.990	0.0500	"	1.00		99.0	31-112				
Phenol	ND	5.00	"				10-37				
Pyrene	1.05	0.0500	"	1.00		105	42-125				
1,2,4-Trichlorobenzene	ND	5.00	"				35-91				
2,4,5-Trichlorophenol	ND	5.00	"				36-112				
2,4,6-Trichlorophenol	ND	5.00	"				41-107				
Surrogate: 2-Fluorophenol	*0.00*		*"*	*75.2*			*10-53*				
Surrogate: Phenol-d5	*0.00*		*"*	*75.0*			*10-39*				
Surrogate: Nitrobenzene-d5	*0.00*		*"*	*50.2*			*10-120*				
Surrogate: 2-Fluorobiphenyl	*0.00*		*"*	*50.0*			*10-108*				
Surrogate: 2,4,6-Tribromophenol	*0.00*		*"*	*75.0*			*10-150*				
Surrogate: Terphenyl-d14	*0.00*		*"*	*50.0*			*10-143*				
LCS Dup (BH41549-BSD1)							Prepared & Analyzed: 08/29/2014				
Acenaphthene	41.3	0.0500	ug/L	50.0		82.6	24-114		9.83	20	
Acenaphthylene	40.0	0.0500	"	50.0		80.0	26-112		10.0	20	
Anthracene	41.4	0.0500	"	50.0		82.7	35-114		9.02	20	
Benzo(a)anthracene	44.7	0.0500	"	50.0		89.4	38-127		11.0	20	
Benzo(a)pyrene	45.6	0.0500	"	50.0		91.2	30-146		14.9	20	
Benzo(b)fluoranthene	53.0	0.0500	"	50.0		106	36-145		13.0	20	
Benzo(g,h,i)perylene	45.1	0.0500	"	50.0		90.2	10-163		13.1	20	
Benzoic acid	33.7	50.0	"	50.0		67.4	30-130		6.68	20	
Benzo(k)fluoranthene	40.8	0.0500	"	50.0		81.7	16-149		2.87	20	
Benzyl alcohol	36.9	5.00	"	50.0		73.8	18-75		7.38	20	
Benzyl butyl phthalate	41.1	5.00	"	50.0		82.2	28-129		12.5	20	
4-Bromophenyl phenyl ether	42.8	5.00	"	50.0		85.6	38-116		8.40	20	
4-Chloro-3-methylphenol	32.5	5.00	"	50.0		65.0	28-101		6.75	20	
4-Chloroaniline	28.5	5.00	"	50.0		57.1	10-154		8.56	20	
Bis(2-chloroethoxy)methane	35.4	5.00	"	50.0		70.9	27-112		11.2	20	
Bis(2-chloroethyl)ether	38.7	5.00	"	50.0		77.3	24-114		9.42	20	
Bis(2-chloroisopropyl)ether	43.1	5.00	"	50.0		86.1	21-124		10.2	20	
2-Chloronaphthalene	39.3	5.00	"	50.0		78.5	40-96		8.97	20	
2-Chlorophenol	35.7	5.00	"	50.0		71.3	35-84		8.54	20	
4-Chlorophenyl phenyl ether	40.1	5.00	"	50.0		80.1	34-112		10.3	20	
Chrysene	45.7	0.0500	"	50.0		91.5	33-120		11.3	20	
Dibenzo(a,h)anthracene	49.1	0.0500	"	50.0		98.2	10-149		10.9	20	
Dibenzofuran	37.0	5.00	"	50.0		74.0	42-105		9.71	20	
Di-n-butyl phthalate	38.0	5.00	"	50.0		75.9	36-110		10.1	20	
1,2-Dichlorobenzene	36.0	5.00	"	50.0		72.1	42-85		9.44	20	
1,4-Dichlorobenzene	38.4	5.00	"	50.0		76.7	42-82		9.54	20	
1,3-Dichlorobenzene	36.2	5.00	"	50.0		72.4	45-80		9.70	20	
3,3'-Dichlorobenzidine	54.4	5.00	"	50.0		109	25-155		10.7	20	
2,4-Dichlorophenol	33.0	5.00	"	50.0		66.0	43-92		7.08	20	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41549 - EPA 3510C											
LCS Dup (BH41549-BSD1)								Prepared & Analyzed: 08/29/2014			
Diethyl phthalate	38.7	5.00	ug/L	50.0		77.3	38-112		12.1	20	
2,4-Dimethylphenol	33.6	5.00	"	50.0		67.2	25-92		8.82	20	
Dimethyl phthalate	39.6	5.00	"	50.0		79.2	49-106		11.5	20	
4,6-Dinitro-2-methylphenol	42.8	5.00	"	50.0		85.5	10-135		10.8	20	
2,4-Dinitrophenol	45.0	5.00	"	50.0		90.1	10-149		12.8	20	
2,4-Dinitrotoluene	41.7	5.00	"	50.0		83.4	41-114		9.89	20	
2,6-Dinitrotoluene	41.6	5.00	"	50.0		83.3	49-106		11.9	20	
Di-n-octyl phthalate	40.2	5.00	"	50.0		80.4	12-149		13.9	20	
Bis(2-ethylhexyl)phthalate	44.0	0.500	"	50.0		87.9	10-171		11.7	20	
Fluoranthene	41.6	0.0500	"	50.0		83.2	33-126		8.34	20	
Fluorene	41.0	0.0500	"	50.0		81.9	28-117		10.9	20	
Hexachlorobenzene	37.8	0.0200	"	50.0		75.7	27-120		11.5	20	
Hexachlorobutadiene	38.2	0.500	"	50.0		76.4	25-106		6.14	20	
Hexachlorocyclopentadiene	37.5	5.00	"	50.0		75.1	10-99		8.37	20	
Hexachloroethane	38.2	0.500	"	50.0		76.3	33-84		10.4	20	
Indeno(1,2,3-cd)pyrene	48.6	0.0500	"	50.0		97.2	10-150		11.3	20	
Isophorone	34.2	5.00	"	50.0		68.3	29-115		10.5	20	
2-Methylnaphthalene	34.6	5.00	"	50.0		69.1	33-101		10.8	20	
2-Methylphenol	33.5	5.00	"	50.0		67.0	10-90		9.36	20	
3- & 4-Methylphenols	34.1	5.00	"	50.0		68.3	10-101		10.2	20	
Naphthalene	37.4	0.0500	"	50.0		74.7	30-99		8.85	20	
3-Nitroaniline	39.3	5.00	"	50.0		78.7	29-128		13.3	20	
2-Nitroaniline	36.4	5.00	"	50.0		72.8	31-122		10.4	20	
4-Nitroaniline	33.5	5.00	"	50.0		67.0	15-143		11.9	20	
Nitrobenzene	34.3	0.250	"	50.0		68.5	32-113		6.93	20	
2-Nitrophenol	31.7	5.00	"	50.0		63.4	37-97		7.94	20	
4-Nitrophenol	34.9	5.00	"	50.0		69.8	10-112		9.99	20	
N-nitroso-di-n-propylamine	38.2	5.00	"	50.0		76.5	36-118		6.06	20	
N-Nitrosodiphenylamine	41.3	5.00	"	50.0		82.6	27-145		12.4	20	
Pentachlorophenol	41.2	0.250	"	50.0		82.4	19-127		10.8	20	
Phenanthrene	44.6	0.0500	"	50.0		89.2	31-112		5.79	20	
Phenol	33.3	5.00	"	50.0		66.5	10-37	High Bias	5.61	20	
Pyrene	44.6	0.0500	"	50.0		89.1	42-125		11.4	20	
1,2,4-Trichlorobenzene	33.7	5.00	"	50.0		67.3	35-91		7.82	20	
2,4,5-Trichlorophenol	35.8	5.00	"	50.0		71.6	36-112		10.8	20	
2,4,6-Trichlorophenol	37.6	5.00	"	50.0		75.1	41-107		10.5	20	
Surrogate: 2-Fluorophenol	*57.0*		*"*	*75.2*		*75.8*	*10-53*				
Surrogate: Phenol-d5	*54.0*		*"*	*75.0*		*71.9*	*10-39*				
Surrogate: Nitrobenzene-d5	*32.6*		*"*	*50.2*		*64.9*	*10-120*				
Surrogate: 2-Fluorobiphenyl	*35.9*		*"*	*50.0*		*71.8*	*10-108*				
Surrogate: 2,4,6-Tribromophenol	*69.4*		*"*	*75.0*		*92.6*	*10-150*				
Surrogate: Terphenyl-d14	*41.3*		*"*	*50.0*		*82.7*	*10-143*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41508 - EPA 3550C											
Blank (BH41508-BLK1)											Prepared: 08/28/2014 Analyzed: 08/29/2014
Toxaphene	ND	16.7	ug/kg wet								
Methoxychlor	ND	1.65	"								
Heptachlor epoxide	ND	0.330	"								
Heptachlor	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Endrin ketone	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Dieldrin	ND	0.330	"								
delta-BHC	ND	0.330	"								
Chlordane, total	ND	1.32	"								
beta-BHC	ND	0.330	"								
alpha-BHC	ND	0.330	"								
Aldrin	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
4,4'-DDE	ND	0.330	"								
4,4'-DDD	ND	0.330	"								
Surrogate: Tetrachloro-m-xylene	*32.5*		*"*	*66.7*		*48.7*	*30-140*				
Surrogate: Decachlorobiphenyl	*35.5*		*"*	*66.7*		*53.3*	*30-140*				
LCS (BH41508-BS1)											Prepared: 08/28/2014 Analyzed: 08/29/2014
Methoxychlor	34.2	1.65	ug/kg wet	33.3		103	40-140				
Heptachlor epoxide	25.8	0.330	"	33.3		77.5	40-140				
Heptachlor	26.9	0.330	"	33.3		80.7	40-140				
gamma-BHC (Lindane)	28.1	0.330	"	33.3		84.2	40-140				
Endrin ketone	29.2	0.330	"	33.3		87.7	40-140				
Endrin aldehyde	25.6	0.330	"	33.3		76.9	40-140				
Endrin	30.9	0.330	"	33.3		92.6	40-140				
Endosulfan sulfate	29.1	0.330	"	33.3		87.2	40-140				
Endosulfan II	28.0	0.330	"	33.3		84.0	40-140				
Endosulfan I	29.0	0.330	"	33.3		87.1	40-140				
Dieldrin	28.8	0.330	"	33.3		86.3	40-140				
delta-BHC	28.5	0.330	"	33.3		85.5	40-140				
beta-BHC	29.9	0.330	"	33.3		89.6	40-140				
alpha-BHC	28.6	0.330	"	33.3		85.7	40-140				
Aldrin	28.5	0.330	"	33.3		85.4	40-140				
4,4'-DDT	35.8	0.330	"	33.3		107	40-140				
4,4'-DDE	26.9	0.330	"	33.3		80.6	40-140				
4,4'-DDD	29.1	0.330	"	33.3		87.2	40-140				
Surrogate: Tetrachloro-m-xylene	*66.0*		*"*	*66.7*		*99.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*69.4*		*"*	*66.7*		*104*	*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
Batch BH41508 - EPA 3550C											
LCS Dup (BH41508-BSD1)									Prepared: 08/28/2014 Analyzed: 08/29/2014		
Methoxychlor	31.6	1.65	ug/kg wet	33.3		94.9	40-140		7.77	30	
Heptachlor epoxide	26.2	0.330	"	33.3		78.5	40-140		1.35	30	
Heptachlor	26.7	0.330	"	33.3		80.1	40-140		0.767	30	
gamma-BHC (Lindane)	27.9	0.330	"	33.3		83.8	40-140		0.535	30	
Endrin ketone	28.1	0.330	"	33.3		84.3	40-140		4.01	30	
Endrin aldehyde	24.7	0.330	"	33.3		74.1	40-140		3.71	30	
Endrin	30.3	0.330	"	33.3		90.8	40-140		1.91	30	
Endosulfan sulfate	28.5	0.330	"	33.3		85.6	40-140		1.81	30	
Endosulfan II	27.5	0.330	"	33.3		82.6	40-140		1.61	30	
Endosulfan I	28.1	0.330	"	33.3		84.3	40-140		3.22	30	
Dieldrin	28.1	0.330	"	33.3		84.4	40-140		2.28	30	
delta-BHC	29.7	0.330	"	33.3		89.0	40-140		3.98	30	
beta-BHC	31.2	0.330	"	33.3		93.5	40-140		4.28	30	
alpha-BHC	28.3	0.330	"	33.3		84.9	40-140		0.981	30	
Aldrin	28.3	0.330	"	33.3		85.0	40-140		0.486	30	
4,4'-DDT	34.6	0.330	"	33.3		104	40-140		3.33	30	
4,4'-DDE	29.6	0.330	"	33.3		88.7	40-140		9.62	30	
4,4'-DDD	31.0	0.330	"	33.3		92.9	40-140		6.35	30	
Surrogate: Tetrachloro-m-xylene	*61.3*		*"*	*66.7*		*91.9*	*30-140*				
Surrogate: Decachlorobiphenyl	*63.5*		*"*	*66.7*		*95.3*	*30-140*				
Matrix Spike (BH41508-MS1)	*Source sample: 14H1092-01 (3 HB-1 2")								Prepared: 08/28/2014 Analyzed: 08/29/2014		
Methoxychlor	22.8	8.30	ug/kg dry	33.6	ND	67.8	30-150				
Heptachlor epoxide	19.9	1.66	"	33.6	ND	59.3	30-150				
Heptachlor	20.7	1.66	"	33.6	ND	61.8	30-150				
gamma-BHC (Lindane)	20.8	1.66	"	33.6	ND	61.9	30-150				
Endrin ketone	16.8	1.66	"	33.6	ND	50.1	30-150				
Endrin aldehyde	13.7	1.66	"	33.6	ND	40.8	30-150				
Endrin	23.8	1.66	"	33.6	ND	70.9	30-150				
Endosulfan sulfate	14.9	1.66	"	33.6	ND	44.4	30-150				
Endosulfan II	17.6	1.66	"	33.6	ND	52.4	30-150				
Endosulfan I	19.5	1.66	"	33.6	ND	58.2	30-150				
Dieldrin	19.3	1.66	"	33.6	ND	57.6	30-150				
delta-BHC	18.4	1.66	"	33.6	ND	54.9	30-150				
beta-BHC	22.8	1.66	"	33.6	ND	68.1	30-150				
alpha-BHC	21.1	1.66	"	33.6	ND	63.0	30-150				
Aldrin	20.2	1.66	"	33.6	ND	60.2	30-150				
4,4'-DDT	25.4	1.66	"	33.6	ND	75.8	30-150				
4,4'-DDE	20.9	1.66	"	33.6	ND	62.3	30-150				
4,4'-DDD	22.1	1.66	"	33.6	ND	66.0	30-150				
Surrogate: Tetrachloro-m-xylene	*59.7*		*"*	*67.1*		*89.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*45.8*		*"*	*67.1*		*68.2*	*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
Batch BH41548 - EPA SW846-3510C Low Level											
Blank (BH41548-BLK1)								Prepared & Analyzed: 08/29/2014			
Toxaphene	ND	0.100	ug/L								
Methoxychlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Heptachlor	ND	0.00400	"								
gamma-BHC (Lindane)	ND	0.00400	"								
Endrin ketone	ND	0.0100	"								
Endrin aldehyde	ND	0.0100	"								
Endrin	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan I	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
delta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0400	"								
beta-BHC	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
Aldrin	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
4,4'-DDE	ND	0.00400	"								
4,4'-DDD	ND	0.00400	"								
Surrogate: Tetrachloro-m-xylene	*0.186*		*"*	*0.200*		*93.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.182*		*"*	*0.200*		*90.9*	*30-120*				
LCS (BH41548-BS1)								Prepared & Analyzed: 08/29/2014			
Methoxychlor	0.0620	0.00400	ug/L	0.100		62.0	40-120				
Heptachlor epoxide	0.0666	0.00400	"	0.100		66.6	40-120				
Heptachlor	0.0685	0.00400	"	0.100		68.5	40-120				
gamma-BHC (Lindane)	0.0658	0.00400	"	0.100		65.8	40-120				
Endrin ketone	0.0878	0.0100	"	0.100		87.8	40-120				
Endrin aldehyde	0.0620	0.0100	"	0.100		62.0	40-120				
Endrin	0.0677	0.00400	"	0.100		67.7	40-120				
Endosulfan sulfate	0.0596	0.00400	"	0.100		59.6	40-120				
Endosulfan II	0.0637	0.00400	"	0.100		63.7	40-120				
Endosulfan I	0.0704	0.00400	"	0.100		70.4	40-120				
Dieldrin	0.0683	0.00200	"	0.100		68.3	40-120				
delta-BHC	0.0286	0.00400	"	0.100		28.6	40-120	Low Bias			
beta-BHC	0.0649	0.00400	"	0.100		64.9	40-120				
alpha-BHC	0.0657	0.00400	"	0.100		65.7	40-120				
Aldrin	0.0703	0.00400	"	0.100		70.3	40-120				
4,4'-DDT	0.0680	0.00400	"	0.100		68.0	40-120				
4,4'-DDE	0.0763	0.00400	"	0.100		76.3	40-120				
4,4'-DDD	0.0659	0.00400	"	0.100		65.9	40-120				
Surrogate: Tetrachloro-m-xylene	*0.172*		*"*	*0.200*		*86.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.132*		*"*	*0.200*		*65.8*	*30-120*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41548 - EPA SW846-3510C Low Level											
LCS Dup (BH41548-BSD1)								Prepared & Analyzed: 08/29/2014			
Methoxychlor	0.0644	0.00400	ug/L	0.100		64.4	40-120		3.75	30	
Heptachlor epoxide	0.0692	0.00400	"	0.100		69.2	40-120		3.82	30	
Heptachlor	0.0714	0.00400	"	0.100		71.4	40-120		4.21	30	
gamma-BHC (Lindane)	0.0684	0.00400	"	0.100		68.4	40-120		3.92	30	
Endrin ketone	0.0915	0.0100	"	0.100		91.5	40-120		4.15	30	
Endrin aldehyde	0.0647	0.0100	"	0.100		64.7	40-120		4.40	30	
Endrin	0.0705	0.00400	"	0.100		70.5	40-120		4.14	30	
Endosulfan sulfate	0.0621	0.00400	"	0.100		62.1	40-120		4.02	30	
Endosulfan II	0.0665	0.00400	"	0.100		66.5	40-120		4.21	30	
Endosulfan I	0.0739	0.00400	"	0.100		73.9	40-120		4.82	30	
Dieldrin	0.0713	0.00200	"	0.100		71.3	40-120		4.33	30	
delta-BHC	0.0288	0.00400	"	0.100		28.8	40-120	Low Bias	0.784	30	
beta-BHC	0.0678	0.00400	"	0.100		67.8	40-120		4.33	30	
alpha-BHC	0.0686	0.00400	"	0.100		68.6	40-120		4.27	30	
Aldrin	0.0732	0.00400	"	0.100		73.2	40-120		4.06	30	
4,4'-DDT	0.0712	0.00400	"	0.100		71.2	40-120		4.55	30	
4,4'-DDE	0.0802	0.00400	"	0.100		80.2	40-120		5.01	30	
4,4'-DDD	0.0687	0.00400	"	0.100		68.7	40-120		4.21	30	
Surrogate: Tetrachloro-m-xylene	*0.179*		*"*	*0.200*		*89.4*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.135*		*"*	*0.200*		*67.4*	*30-120*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41508 - EPA 3550C											
Blank (BH41508-BLK1)									Prepared: 08/28/2014 Analyzed: 08/29/2014		
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	*0.0423*		*"*	*0.0667*		*63.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0330*		*"*	*0.0667*		*49.5*	*30-140*				
LCS (BH41508-BS2)									Prepared: 08/28/2014 Analyzed: 08/29/2014		
Aroclor 1016	0.309	0.0167	mg/kg wet	0.333		92.7	40-130				
Aroclor 1260	0.272	0.0167	"	0.333		81.7	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0707*		*"*	*0.0667*		*106*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0520*		*"*	*0.0667*		*78.0*	*30-140*				
LCS Dup (BH41508-BSD2)									Prepared: 08/28/2014 Analyzed: 08/29/2014		
Aroclor 1016	0.284	0.0167	mg/kg wet	0.333		85.2	40-130		8.36	25	
Aroclor 1260	0.240	0.0167	"	0.333		71.9	40-130		12.7	25	
Surrogate: Tetrachloro-m-xylene	*0.0690*		*"*	*0.0667*		*104*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0447*		*"*	*0.0667*		*67.0*	*30-140*				
Matrix Spike (BH41508-MS2)	*Source sample: 14H1092-03 (3 HB-2 6-8")								Prepared: 08/28/2014 Analyzed: 08/29/2014		
Aroclor 1016	0.377	0.0222	mg/kg dry	0.444	ND	85.0	40-140				
Aroclor 1260	0.332	0.0222	"	0.444	ND	74.8	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0857*		*"*	*0.0888*		*96.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0604*		*"*	*0.0888*		*68.0*	*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
Batch BH41548 - EPA SW846-3510C Low Level											
Blank (BH41548-BLK1)								Prepared & Analyzed: 08/29/2014			
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	"								
Surrogate: Tetrachloro-m-xylene	*0.201*		*"*	*0.200*		*100*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.215*		*"*	*0.200*		*108*	*30-120*				
LCS (BH41548-BS2)								Prepared & Analyzed: 08/29/2014			
Aroclor 1016	1.08	0.0500	ug/L	1.00		108	40-120				
Aroclor 1260	1.09	0.0500	"	1.00		109	40-120				
Surrogate: Tetrachloro-m-xylene	*0.213*		*"*	*0.200*		*106*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.206*		*"*	*0.200*		*103*	*30-120*				
LCS Dup (BH41548-BSD2)								Prepared & Analyzed: 08/29/2014			
Aroclor 1016	1.11	0.0500	ug/L	1.00		111	40-120		2.79	30	
Aroclor 1260	1.11	0.0500	"	1.00		111	40-120		1.56	30	
Surrogate: Tetrachloro-m-xylene	*0.220*		*"*	*0.200*		*110*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.223*		*"*	*0.200*		*112*	*30-120*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41550 - EPA 3050B											
Blank (BH41550-BLK1)									Prepared & Analyzed: 08/29/2014		
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	"								
Duplicate (BH41550-DUP1)	*Source sample: 14H1092-05 (3 HB-3 8.5")								Prepared & Analyzed: 08/29/2014		
Aluminum	3880	1.17	mg/kg dry		3910				0.767	35	
Antimony	ND	0.586	"		ND					35	
Arsenic	ND	1.17	"		1.25					35	
Barium	26.3	1.17	"		26.3				0.163	35	
Beryllium	ND	0.117	"		ND					35	
Cadmium	ND	0.351	"		ND					35	
Calcium	1950	5.86	"		1970				1.13	35	
Chromium	13.4	0.586	"		13.4				0.158	35	
Cobalt	4.41	0.586	"		4.37				0.731	35	
Copper	11.7	0.586	"		11.7				0.162	35	
Iron	8600	2.34	"		8620				0.261	35	
Lead	25.8	0.351	"		25.7				0.387	35	
Magnesium	2010	5.86	"		2010				0.298	35	
Manganese	142	0.586	"		142				0.268	35	
Nickel	11.9	0.586	"		12.1				1.14	35	
Potassium	590	5.86	"		592				0.491	35	
Selenium	ND	1.17	"		ND					35	
Silver	ND	0.586	"		ND					35	
Sodium	91.7	11.7	"		91.2				0.634	35	
Thallium	ND	1.17	"		ND					35	
Vanadium	14.5	1.17	"		14.5				0.0683	35	
Zinc	21.5	1.17	"		21.6				0.451	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41550 - EPA 3050B											
Matrix Spike (BH41550-MS1)	*Source sample: 14H1092-05 (3 HB-3 8.5")							Prepared & Analyzed: 08/29/2014			
Aluminum	4120	1.17	mg/kg dry	234	3910	88.4	75-125				
Antimony	31.9	0.586	"	29.3	ND	109	75-125				
Arsenic	231	1.17	"	234	1.25	98.0	75-125				
Barium	274	1.17	"	234	26.3	106	75-125				
Beryllium	5.52	0.117	"	5.86	ND	94.2	75-125				
Cadmium	5.69	0.351	"	5.86	ND	97.1	75-125				
Chromium	36.3	0.586	"	23.4	13.4	97.7	75-125				
Cobalt	65.8	0.586	"	58.6	4.37	105	75-125				
Copper	42.7	0.586	"	29.3	11.7	106	75-125				
Iron	8650	2.34	"	117	8620	24.6	75-125	Low Bias			
Lead	84.1	0.351	"	58.6	25.7	99.7	75-125				
Magnesium	1960	5.86	"		2010		75-125				
Manganese	202	0.586	"	58.6	142	102	75-125				
Nickel	73.2	0.586	"	58.6	12.1	104	75-125				
Potassium	578	5.86	"		592		75-125				
Silver	3.80	0.586	"	5.86	ND	64.8	75-125	Low Bias			
Sodium	89.2	11.7	"		91.2		75-125				
Thallium	242	1.17	"	234	ND	103	75-125				
Vanadium	71.7	1.17	"	58.6	14.5	97.7	75-125				
Zinc	81.7	1.17	"	58.6	21.6	103	75-125				
Reference (BH41550-SRM1)								Prepared & Analyzed: 08/29/2014			
Aluminum	5550	1.00	mg/kg wet	9390		59.1	43.5-157				
Antimony	121	0.500	"	129		93.5	22.4-250				
Arsenic	80.6	1.00	"	88.4		91.2	69-131				
Barium	184	1.00	"	210		87.8	73.3-127				
Beryllium	51.5	0.100	"	55.8		92.2	73.1-127				
Cadmium	129	0.300	"	142		90.5	73.2-128				
Calcium	7160	5.00	"	7530		95.1	74.6-125				
Chromium	74.9	0.500	"	86.8		86.3	69.1-131				
Cobalt	184	0.500	"	199		92.5	74.4-126				
Copper	259	0.500	"	268		96.6	76.1-124				
Iron	9310	2.00	"	12800		72.8	31.6-168				
Lead	90.6	0.300	"	97.9		92.6	70.8-129				
Magnesium	2290	5.00	"	2850		80.2	65.3-135				
Manganese	382	0.500	"	425		89.8	76.2-124				
Nickel	225	0.500	"	236		95.4	74.2-128				
Potassium	1920	5.00	"	2570		74.8	61.1-139				
Selenium	119	1.00	"	127		93.4	66.6-134				
Silver	57.7	0.500	"	66.2		87.2	67.1-133				
Sodium	954	10.0	"	1040		91.7	60.4-139				
Thallium	125	1.00	"	140		89.2	68.3-132				
Vanadium	135	1.00	"	156		86.5	71.8-129				
Zinc	109	1.00	"	161		67.6	66.9-133				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41551 - EPA 3010A											
Blank (BH41551-BLK1)									Prepared & Analyzed: 08/29/2014		
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	"								
Duplicate (BH41551-DUP1)	*Source sample: 14H1092-06 (3MW-1)								Prepared & Analyzed: 08/29/2014		
Aluminum	0.016	0.010	mg/L		0.013				18.9	20	
Antimony	ND	0.005	"		ND					20	
Arsenic	ND	0.004	"		ND					20	
Barium	0.070	0.010	"		0.069				1.72	20	
Beryllium	ND	0.001	"		ND					20	
Cadmium	ND	0.003	"		ND					20	
Calcium	82.8	0.050	"		82.2				0.760	20	
Chromium	ND	0.005	"		ND					20	
Cobalt	ND	0.005	"		ND					20	
Copper	ND	0.003	"		ND					20	
Iron	0.030	0.020	"		0.028				5.33	20	
Lead	ND	0.003	"		ND					20	
Magnesium	9.69	0.050	"		9.74				0.535	20	
Manganese	0.438	0.005	"		0.431				1.54	20	
Nickel	0.006	0.005	"		0.006				1.92	20	
Potassium	5.77	0.050	"		5.82				0.921	20	
Selenium	ND	0.010	"		ND					20	
Silver	ND	0.005	"		ND					20	
Sodium	13.6	0.100	"		13.6				0.136	20	
Thallium	ND	0.005	"		ND					20	
Vanadium	ND	0.010	"		ND					20	
Zinc	ND	0.010	"		ND					20	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41551 - EPA 3010A											
Matrix Spike (BH41551-MS1)	*Source sample: 14H1092-06 (3MW-1)							Prepared & Analyzed: 08/29/2014			
Antimony	0.270	0.005	mg/L	0.250	ND	108	75-125				
Arsenic	2.13	0.004	"	2.00	ND	107	75-125				
Barium	2.21	0.010	"	2.00	0.069	107	75-125				
Beryllium	0.051	0.001	"	0.0500	ND	103	75-125				
Cadmium	0.053	0.003	"	0.0500	ND	105	75-125				
Chromium	0.203	0.005	"	0.200	ND	102	75-125				
Cobalt	0.531	0.005	"	0.500	ND	106	75-125				
Copper	0.268	0.003	"	0.250	ND	107	75-125				
Iron	1.10	0.020	"	1.00	0.028	107	75-125				
Lead	0.513	0.003	"	0.500	ND	103	75-125				
Manganese	0.969	0.005	"	0.500	0.431	108	75-125				
Nickel	0.532	0.005	"	0.500	0.006	105	75-125				
Selenium	2.24	0.010	"	2.00	ND	112	75-125				
Silver	0.044	0.005	"	0.0500	ND	87.7	75-125				
Thallium	2.12	0.005	"	2.00	ND	106	75-125				
Vanadium	0.513	0.010	"	0.500	ND	103	75-125				
Zinc	0.530	0.010	"	0.500	ND	106	75-125				
Reference (BH41551-SRM1)								Prepared & Analyzed: 08/29/2014			
Aluminum	2.97	0.010	mg/L	3.16		94.1	82.9-116				
Antimony	0.689	0.005	"	0.687		100	70.6-120				
Arsenic	0.224	0.004	"	0.243		92.0	82.7-118				
Barium	2.05	0.010	"	1.99		103	86.9-113				
Beryllium	0.455	0.001	"	0.487		93.4	85-113				
Cadmium	0.191	0.003	"	0.198		96.7	84.8-114				
Chromium	0.752	0.005	"	0.780		96.4	87.2-113				
Cobalt	0.208	0.005	"	0.198		105	87.4-113				
Copper	0.165	0.003	"	0.170		97.2	89.4-111				
Iron	0.326	0.020	"	0.322		101	87.3-115				
Lead	0.213	0.003	"	0.213		100	85-115				
Manganese	1.68	0.005	"	1.64		102	89.6-111				
Nickel	1.52	0.005	"	1.58		96.1	89.9-111				
Selenium	1.19	0.010	"	1.28		92.9	79.6-116				
Silver	0.445	0.005	"	0.477		93.2	85.7-114				
Thallium	0.423	0.005	"	0.409		103	79-121				
Vanadium	0.467	0.010	"	0.502		93.1	87.5-112				
Zinc	1.34	0.010	"	1.40		95.8	85.7-114				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41551 - EPA 3010A											
Reference (BH41551-SRM2)								Prepared & Analyzed: 08/29/2014			
Calcium	65.3	0.050	mg/L	62.7		104	86-114				
Magnesium	30.4	0.050	"	29.0		105	86.2-114				
Potassium	35.0	0.050	"	32.4		108	85.2-115				
Sodium	86.6	0.100	"	85.1		102	85-115				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41544 - EPA 7473 soil											
Blank (BH41544-BLK1)								Prepared & Analyzed: 08/29/2014			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BH41544-DUP1)	*Source sample: 14H1092-05 (3 HB-3 8.5")							Prepared & Analyzed: 08/29/2014			
Mercury	ND	0.0351	mg/kg dry		ND					35	
Matrix Spike (BH41544-MS1)	*Source sample: 14H1092-05 (3 HB-3 8.5")							Prepared & Analyzed: 08/29/2014			
Mercury	0.435		mg/kg	0.500	0.0231	82.4	75-125				
Reference (BH41544-SRM1)								Prepared & Analyzed: 08/29/2014			
Mercury	2.8036		mg/kg	3.73		75.2	68.6-131				
Batch BH41584 - EPA SW846-7470											
Blank (BH41584-BLK1)								Prepared & Analyzed: 08/29/2014			
Mercury	ND	0.0002	mg/L								
LCS (BH41584-BS1)								Prepared & Analyzed: 08/29/2014			
Mercury	0.002244	0.0002	mg/L	0.00200		112	80-120				
Duplicate (BH41584-DUP1)	*Source sample: 14H1092-06 (3MW-1)							Prepared & Analyzed: 08/29/2014			
Mercury	ND	0.0002	mg/L		ND					20	

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41575 - % Solids Prep											
Duplicate (BH41575-DUP1)	*Source sample: 14H1092-05 (3 HB-3 8.5")								Prepared & Analyzed: 08/29/2014		
% Solids	83.9	0.100	%		85.4				1.72	20	

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH41546 - Analysis Preparation Soil											
Blank (BH41546-BLK1)									Prepared & Analyzed: 08/29/2014		
Cyanide, total	ND	0.500	mg/kg wet								
Reference (BH41546-SRM1)									Prepared & Analyzed: 08/29/2014		
Cyanide, total	67.5		ug/mL	59.3		114	38.4-202				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14H1092-01	3 HB-1 2"	40mL 01_Clear Vial Cool to 4° C
14H1092-02	3 HB-1 8.5"	40mL 01_Clear Vial Cool to 4° C
14H1092-04	3 HB-3 2"	40mL 01_Clear Vial Cool to 4° C
14H1092-05	3 HB-3 8.5"	40mL 01_Clear Vial Cool to 4° C
14H1092-06	3MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14H1092-07	3MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14H1092-08	MW-A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14H1092-09	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

VOA-CONTNON-COMPLIANT- the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A or NYSDOH ELAP. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

M-MISpk The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The SRM was within acceptance limits, therefore data are acceptable.

M-LSRD Original sample conc <50 X reporting limit.

M-HCSpk Sample conc. >10 X spike conc.

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.

GC-Surr Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the alternate surrogate.

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.

YORK ANALYTICAL LABORATORIES
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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.

York Project No. 14H1092

YOUR Information

Company: Ecosystem Strategies
Address:
Phone No.
Contact Person:
E-Mail Address:

Report To:

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

Invoice To:

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

YOUR Project ID

WY07054

Purchase Order No.

Samples from: CT (NY) NJ

Turn-Around Time

- RUSH - Same Day [X]
- RUSH - Next Day [ ]
- RUSH - Two Day [ ]
- RUSH - Three Day [ ]
- RUSH - Four Day [ ]
- Standard(5-7 Days) [ ]

Report Type

- Summary Report
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package [X]
- NY ASP B Package
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel
- NYSDEC EQuIS [X]
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other

York Regulatory Comparison Excel Spreadsheet
Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
3HB-1 2"	8-27-14	S	Full TCL	1x 40z
3HB-1 8.5'	↓	↓	TCL VOCs, SVOCs, TAL metals	↓
3HB-2 6-8'			PCBs	
3HB-3 2"			TCL, VOCs, SVOCs, TAL, metals	
3HB-3 8.5'	↓	↓	TCL, VOCs, SVOCs, TAL metals	↓
3MW-1		W	VOCs, SVOCs, TAL Metals, Pesticides, PCBs	3x1L amber + 2S + 2xVOA
3MW-2			↓ ↓ ↓ ↓ ↓	↓ ↓ ↓
MW-A				
Trip Blank	↓	↓	VOCs	1x40m
3HB-3 8.5 MS	↓	S		1x 40z

Comments
3HB-3 8.5 MSDUP

Preservation Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ____ Frozen ____ HCl ____ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____
ZnAc ____ Ascorbic Acid ____ Other ____

Samples Relinquished By 8/28/14 Date/Time
Samples Relinquished By Date/Time
Samples Received By 8-28-14 10:30 Date/Time
Samples Received in LAB by 5/28/14 05:[illegible] Date/Time

Temperature on Receipt 4.6

ANALYTICAL REPORT

Lab Number:	L1416124
Client:	Ecosystems Strategies, Inc. 24 Davis Avenue Poughkeepsie, NY 12603
ATTN:	Richard Hooker
Phone:	(845) 452-1658
Project Name:	Not Specified
Project Number:	W407054
Report Date:	07/25/14

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Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: Not Specified
Project Number: W407054

Lab Number: L1416124
Report Date: 07/25/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1416124-01	SV-1	SOIL_VAPOR	NY	07/16/14 10:34	07/18/14
L1416124-02	CAN 1779	SOIL_VAPOR	NY		07/18/14

Project Name: Not Specified
Project Number: W407054

Lab Number: L1416124
Report Date: 07/25/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: Not Specified **Lab Number:** L1416124
Project Number: W407054 **Report Date:** 07/25/14

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 14, 2014. The canister certification results are provided as an addendum.

The sample designated SV-1 (L1416124-01) had a RPD for the pre- and post-flow controller calibration check (36% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 39 mL/minute; the final flow rate was 56 mL/minute. The final pressure recorded by the laboratory of the associated canister was -0.3 inches of mercury.

L1416124-01 and WG708471-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L1416124-01 and WG708471-5 Duplicate results for Acetone should be considered estimated due to co-elution with a non-target peak.

WG708471-5 Duplicate: The relative percent difference for ethanol (32%) is above the RPD limit of 25%. This compound represented less than 10% of the compounds detected, therefore no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Andy Rezendes

Title: Technical Director/Representative Date: 07/25/14

AIR

Project Name: ***Lab Number:*** L1416124

Project Number: W407054 ***Report Date:*** 07/25/14

SAMPLE RESULTS

Lab ID: L1416124-01 D
Client ID: SV-1
Sample Location: NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 07/25/14 02:38
Analyst: MB

Date Collected: 07/16/14 10:34
Date Received: 07/18/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.321	0.250	--	1.59	1.24	--		1.25
Chloromethane	ND	0.250	--	ND	0.516	--		1.25
Freon-114	ND	0.250	--	ND	1.75	--		1.25
Vinyl chloride	ND	0.250	--	ND	0.639	--		1.25
1,3-Butadiene	ND	0.250	--	ND	0.553	--		1.25
Bromomethane	ND	0.250	--	ND	0.971	--		1.25
Chloroethane	ND	0.250	--	ND	0.660	--		1.25
Ethanol	7.54	3.12	--	14.2	5.88	--		1.25
Vinyl bromide	ND	0.250	--	ND	1.09	--		1.25
Acetone	3.24	1.25	--	7.70	2.97	--		1.25
Trichlorofluoromethane	0.251	0.250	--	1.41	1.40	--		1.25
Isopropanol	ND	0.625	--	ND	1.54	--		1.25
1,1-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25
Tertiary butyl Alcohol	ND	0.625	--	ND	1.89	--		1.25
Methylene chloride	ND	1.25	--	ND	4.34	--		1.25
3-Chloropropene	ND	0.250	--	ND	0.783	--		1.25
Carbon disulfide	0.446	0.250	--	1.39	0.779	--		1.25
Freon-113	ND	0.250	--	ND	1.92	--		1.25
trans-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25
1,1-Dichloroethane	ND	0.250	--	ND	1.01	--		1.25
Methyl tert butyl ether	ND	0.250	--	ND	0.901	--		1.25
2-Butanone	1.66	0.250	--	4.90	0.737	--		1.25
cis-1,2-Dichloroethene	ND	0.250	--	ND	0.991	--		1.25
Ethyl Acetate	ND	0.625	--	ND	2.25	--		1.25

Project Name: ***Lab Number:*** L1416124

Project Number: W407054 ***Report Date:*** 07/25/14

SAMPLE RESULTS

Lab ID: L1416124-01 D
Client ID: SV-1
Sample Location: NY

Date Collected: 07/16/14 10:34
Date Received: 07/18/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.454	0.250	--	2.22	1.22	--		1.25
Tetrahydrofuran	0.474	0.250	--	1.40	0.737	--		1.25
1,2-Dichloroethane	ND	0.250	--	ND	1.01	--		1.25
n-Hexane	10.5	0.250	--	37.0	0.881	--		1.25
1,1,1-Trichloroethane	1.53	0.250	--	8.35	1.36	--		1.25
Benzene	3.93	0.250	--	12.6	0.799	--		1.25
Carbon tetrachloride	ND	0.250	--	ND	1.57	--		1.25
Cyclohexane	3.92	0.250	--	13.5	0.861	--		1.25
1,2-Dichloropropane	ND	0.250	--	ND	1.16	--		1.25
Bromodichloromethane	ND	0.250	--	ND	1.67	--		1.25
1,4-Dioxane	ND	0.250	--	ND	0.901	--		1.25
Trichloroethene	ND	0.250	--	ND	1.34	--		1.25
2,2,4-Trimethylpentane	2.26	0.250	--	10.6	1.17	--		1.25
Heptane	4.51	0.250	--	18.5	1.02	--		1.25
cis-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
4-Methyl-2-pentanone	ND	0.250	--	ND	1.02	--		1.25
trans-1,3-Dichloropropene	ND	0.250	--	ND	1.13	--		1.25
1,1,2-Trichloroethane	ND	0.250	--	ND	1.36	--		1.25
Toluene	18.9	0.250	--	71.2	0.942	--		1.25
2-Hexanone	ND	0.250	--	ND	1.02	--		1.25
Dibromochloromethane	ND	0.250	--	ND	2.13	--		1.25
1,2-Dibromoethane	ND	0.250	--	ND	1.92	--		1.25
Tetrachloroethene	81.0	0.250	--	549	1.70	--		1.25
Chlorobenzene	ND	0.250	--	ND	1.15	--		1.25
Ethylbenzene	1.86	0.250	--	8.08	1.09	--		1.25
p/m-Xylene	6.76	0.500	--	29.4	2.17	--		1.25
Bromoform	ND	0.250	--	ND	2.58	--		1.25
Styrene	ND	0.250	--	ND	1.06	--		1.25

Project Name: ***Lab Number:*** L1416124

Project Number: W407054 ***Report Date:*** 07/25/14

SAMPLE RESULTS

Lab ID: L1416124-01 D
Client ID: SV-1
Sample Location: NY

Date Collected: 07/16/14 10:34
Date Received: 07/18/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.250	--	ND	1.72	--		1.25
o-Xylene	1.76	0.250	--	7.64	1.09	--		1.25
4-Ethyltoluene	0.465	0.250	--	2.29	1.23	--		1.25
1,3,5-Trimethylbenzene	0.352	0.250	--	1.73	1.23	--		1.25
1,2,4-Trimethylbenzene	1.02	0.250	--	5.01	1.23	--		1.25
Benzyl chloride	ND	0.250	--	ND	1.29	--		1.25
1,3-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,4-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2-Dichlorobenzene	ND	0.250	--	ND	1.50	--		1.25
1,2,4-Trichlorobenzene	ND	0.250	--	ND	1.86	--		1.25
Hexachlorobutadiene	ND	0.250	--	ND	2.67	--		1.25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Project Name: Not Specified
Project Number: W407054

Lab Number: L1416124
Report Date: 07/25/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/24/14 16:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG708471-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: Not Specified
Project Number: W407054

Lab Number: L1416124
Report Date: 07/25/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/24/14 16:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG708471-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: Not Specified
Project Number: W407054
Lab Number: L1416124
Report Date: 07/25/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/24/14 16:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG708471-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: W407054

Lab Number: L1416124

Report Date: 07/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG708471-3								
Chlorodifluoromethane	80		-		70-130	-		
Propylene	90		-		70-130	-		
Dichlorodifluoromethane	90		-		70-130	-		
Chloromethane	95		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	93		-		70-130	-		
Vinyl chloride	97		-		70-130	-		
1,3-Butadiene	96		-		70-130	-		
Butane	84		-		70-130	-		
Bromomethane	93		-		70-130	-		
Chloroethane	98		-		70-130	-		
Ethyl Alcohol	79		-		70-130	-		
Dichlorofluoromethane	84		-		70-130	-		
Vinyl bromide	85		-		70-130	-		
Acrolein	87		-		70-130	-		
Acetone	97		-		70-130	-		
Acetonitrile	84		-		70-130	-		
Trichlorofluoromethane	85		-		70-130	-		
iso-Propyl Alcohol	88		-		70-130	-		
Acrylonitrile	91		-		70-130	-		
Pentane	89		-		70-130	-		
Ethyl ether	77		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: W407054

Lab Number: L1416124

Report Date: 07/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG708471-3								
1,1-Dichloroethene	94		-		70-130	-		
tert-Butyl Alcohol	81		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	90		-		70-130	-		
Carbon disulfide	89		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	90		-		70-130	-		
trans-1,2-Dichloroethene	82		-		70-130	-		
1,1-Dichloroethane	97		-		70-130	-		
Methyl tert butyl ether	82		-		70-130	-		
Vinyl acetate	95		-		70-130	-		
2-Butanone	92		-		70-130	-		
cis-1,2-Dichloroethene	107		-		70-130	-		
Ethyl Acetate	86		-		70-130	-		
Chloroform	90		-		70-130	-		
Tetrahydrofuran	95		-		70-130	-		
2,2-Dichloropropane	78		-		70-130	-		
1,2-Dichloroethane	86		-		70-130	-		
n-Hexane	108		-		70-130	-		
Isopropyl Ether	95		-		70-130	-		
Ethyl-Tert-Butyl-Ether	98		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: W407054

Lab Number: L1416124

Report Date: 07/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG708471-3								
1,1-Dichloropropene	107		-		70-130	-		
Benzene	108		-		70-130	-		
Carbon tetrachloride	100		-		70-130	-		
Cyclohexane	110		-		70-130	-		
Tertiary-Amyl Methyl Ether	97		-		70-130	-		
Dibromomethane	97		-		70-130	-		
1,2-Dichloropropane	118		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	95		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	109		-		70-130	-		
Methyl methacrylate	99		-		70-130	-		
Heptane	109		-		70-130	-		
cis-1,3-Dichloropropene	115		-		70-130	-		
4-Methyl-2-pentanone	111		-		70-130	-		
trans-1,3-Dichloropropene	100		-		70-130	-		
1,1,2-Trichloroethane	110		-		70-130	-		
Toluene	104		-		70-130	-		
1,3-Dichloropropane	103		-		70-130	-		
2-Hexanone	118		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: W407054

Lab Number: L1416124

Report Date: 07/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG708471-3								
1,2-Dibromoethane	108		-		70-130	-		
Butyl Acetate	101		-		70-130	-		
Octane	95		-		70-130	-		
Tetrachloroethene	96		-		70-130	-		
1,1,1,2-Tetrachloroethane	94		-		70-130	-		
Chlorobenzene	106		-		70-130	-		
Ethylbenzene	107		-		70-130	-		
p/m-Xylene	107		-		70-130	-		
Bromoform	97		-		70-130	-		
Styrene	105		-		70-130	-		
1,1,2,2-Tetrachloroethane	118		-		70-130	-		
o-Xylene	109		-		70-130	-		
1,2,3-Trichloropropane	102		-		70-130	-		
Nonane (C9)	103		-		70-130	-		
Isopropylbenzene	99		-		70-130	-		
Bromobenzene	100		-		70-130	-		
o-Chlorotoluene	95		-		70-130	-		
n-Propylbenzene	97		-		70-130	-		
p-Chlorotoluene	97		-		70-130	-		
4-Ethyltoluene	90		-		70-130	-		
1,3,5-Trimethylbenzene	103		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: W407054

Lab Number: L1416124

Report Date: 07/25/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG708471-3								
tert-Butylbenzene	96		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Decane (C10)	106		-		70-130	-		
Benzyl chloride	95		-		70-130	-		
1,3-Dichlorobenzene	105		-		70-130	-		
1,4-Dichlorobenzene	103		-		70-130	-		
sec-Butylbenzene	97		-		70-130	-		
p-Isopropyltoluene	90		-		70-130	-		
1,2-Dichlorobenzene	104		-		70-130	-		
n-Butylbenzene	103		-		70-130	-		
1,2-Dibromo-3-chloropropane	97		-		70-130	-		
Undecane	111		-		70-130	-		
Dodecane (C12)	120		-		70-130	-		
1,2,4-Trichlorobenzene	107		-		70-130	-		
Naphthalene	103		-		70-130	-		
1,2,3-Trichlorobenzene	101		-		70-130	-		
Hexachlorobutadiene	104		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: W407054

Lab Number: L1416124
Report Date: 07/25/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG708471-5 QC Sample: L1416124-01 Client ID: SV-1						
Dichlorodifluoromethane	0.321	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	7.54	5.44	ppbV	**32**	Q	25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	3.24	2.62	ppbV	21		25
Trichlorofluoromethane	0.251	ND	ppbV	NC		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	0.446	0.434	ppbV	3		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: W407054

Lab Number: L1416124
Report Date: 07/25/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG708471-5 QC Sample: L1416124-01 Client ID: SV-1					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	1.66	1.59	ppbV	4	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	0.454	0.472	ppbV	4	25
Tetrahydrofuran	0.474	0.462	ppbV	3	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	10.5	10.5	ppbV	0	25
1,1,1-Trichloroethane	1.53	1.54	ppbV	1	25
Benzene	3.93	3.88	ppbV	1	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	3.92	3.97	ppbV	1	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	2.26	2.22	ppbV	2	25
Heptane	4.51	4.48	ppbV	1	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: W407054

Lab Number: L1416124
Report Date: 07/25/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG708471-5 QC Sample: L1416124-01 Client ID: SV-1					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	18.9	19.2	ppbV	2	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	81.0	80.9	ppbV	0	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	1.86	1.91	ppbV	3	25
p/m-Xylene	6.76	6.86	ppbV	1	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	1.76	1.77	ppbV	1	25
4-Ethyltoluene	0.465	0.471	ppbV	1	25
1,3,5-Trimethylbenzene	0.352	0.359	ppbV	2	25
1,2,4-Trimethylbenzene	1.02	1.06	ppbV	4	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: W407054

Lab Number: L1416124
Report Date: 07/25/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG708471-5 QC Sample: L1416124-01 Client ID: SV-1					
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name:

Lab Number: L1416124

Project Number: W407054

Report Date: 07/25/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1416124-01	SV-1	0271	#90 SV	07/14/14	105335		-	-	-	Pass	39	56	36
L1416124-01	SV-1	1551	6.0L Can	07/14/14	105335	L1414222-03	Pass	-29.5	-0.3	-	-	-	-
L1416124-02	CAN 1779	0217	#30 SV	07/14/14	105335		-	-	-	Pass	39	53	30
L1416124-02	CAN 1779	1779	6.0L Can	07/14/14	105335	L1414222-03	Pass	-29.3	-29.5	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1414222
Report Date: 07/25/14

Air Canister Certification Results

Lab ID: L1414222-03
Client ID: CAN 1060 SHELF 47
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/27/14 16:19
Analyst: RY

Date Collected: 06/26/14 12:28
Date Received: 06/27/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1414222
Report Date: 07/25/14

Air Canister Certification Results

Lab ID: L1414222-03
Client ID: CAN 1060 SHELF 47
Sample Location:
Date Collected: 06/26/14 12:28
Date Received: 06/27/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1414222

Project Number: CANISTER QC BAT **Report Date:** 07/25/14

Air Canister Certification Results

Lab ID: L1414222-03 Date Collected: 06/26/14 12:28

Client ID: CAN 1060 SHELF 47 Date Received: 06/27/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1414222
Report Date: 07/25/14

Air Canister Certification Results

Lab ID: L1414222-03
Client ID: CAN 1060 SHELF 47
Sample Location:
Date Collected: 06/26/14 12:28
Date Received: 06/27/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1414222

Project Number: CANISTER QC BAT **Report Date:** 07/25/14

Air Canister Certification Results

Lab ID: L1414222-03 Date Collected: 06/26/14 12:28

Client ID: CAN 1060 SHELF 47 Date Received: 06/27/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	84		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1414222

Project Number: CANISTER QC BAT **Report Date:** 07/25/14

Air Canister Certification Results

Lab ID: L1414222-03
Client ID: CAN 1060 SHELF 47
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/27/14 16:19
Analyst: RY

Date Collected: 06/26/14 12:28
Date Received: 06/27/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1414222
Report Date: 07/25/14

Air Canister Certification Results

Lab ID: L1414222-03
Client ID: CAN 1060 SHELF 47
Sample Location:

Date Collected: 06/26/14 12:28
Date Received: 06/27/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1414222
Report Date: 07/25/14

Air Canister Certification Results

Lab ID: L1414222-03
Client ID: CAN 1060 SHELF 47
Sample Location:
Date Collected: 06/26/14 12:28
Date Received: 06/27/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	86		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	87		60-140

Project Name: Not Specified
Project Number: W407054

Lab Number: L1416124
Report Date: 07/25/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1416124-01A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1416124-02A	Canister - 6 Liter	N/A	NA		Y	Present/Intact	CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	Not Specified	**Lab Number:**	L1416124
Project Number:	W407054	**Report Date:**	07/25/14

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

Report Format: Data Usability Report

Project Name:	Not Specified	**Lab Number:**	L1416124
Project Number:	W407054	**Report Date:**	07/25/14

Data Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE_____ OF _____

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1411612 4

Client Information

Client: Ecosystems Strategies
Address: 24 Davis Ave
Poughkeepsie
Phone: 845-452-1658
Fax:
Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:
Project Location: NY
Project #: W407054
Project Manager: Richard Hooker
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: **Time:**

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☐ EMAIL (standard pdf report)
☐ Additional Deliverables: _____

Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
16124.01	SV-1	7/16/14	8:54	10:34	-29.74	-1.54	SV	DB	6L	1551	0271		✓						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Christine Ancona	7/18/14 1500		7/18/14 1500
Tom Tobin	7/18/14 1840	Tom Tobin	7/18/14 1840
	7-18-14		7/18/14

Form No: 101-02 (19-Jun-09)

APPENDIX H

Historic Laboratory Reports

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Report Date: 05/10/2011
Client Project ID: WY07054.21
York Project (SDG) No.: 11D0756

Report Date: 05/10/2011
Client Project ID: WY07054.21
York Project (SDG) No.: 11D0756

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 27, 2011 and listed below. The project was identified as your project: **WY07054.21**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
11D0756-01	2MW-1 (8')	Soil	04/26/2011	04/27/2011
11D0756-02	2B-1 (6')	Soil	04/26/2011	04/27/2011
11D0756-03	2B-2 (6')	Soil	04/26/2011	04/27/2011
11D0756-04	2B-3 (6')	Soil	04/26/2011	04/27/2011
11D0756-05	2B-4 (4')	Soil	04/26/2011	04/27/2011

General Notes for York Project (SDG) No.: 11D0756

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:  **Date:** 05/10/2011

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

Sample Information

Client Sample ID: 2MW-1 (8')

York Sample ID: 11D0756-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5035B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	66	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	120	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	70	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	74	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	75	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	85	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	160	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	53	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	46	1100	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	140	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	59	1100	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
95-63-6	**1,2,4-Trimethylbenzene**	**9500**		ug/kg dry	65	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	160	1100	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	84	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	73	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	80	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	27	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
108-67-8	**1,3,5-Trimethylbenzene**	**3400**		ug/kg dry	46	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	58	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	85	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	84	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	120	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	60	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	60	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
71-43-2	Benzene	ND		ug/kg dry	59	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
108-86-1	Bromobenzene	ND		ug/kg dry	75	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	160	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	76	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
75-25-2	Bromoform	ND		ug/kg dry	71	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
74-83-9	Bromomethane	ND		ug/kg dry	150	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	130	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	43	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
75-00-3	Chloroethane	ND		ug/kg dry	93	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
67-66-3	Chloroform	ND		ug/kg dry	44	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS

Sample Information

Client Sample ID: 2MW-1 (8')

York Sample ID: 11D0756-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	110	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	120	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	43	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	82	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
74-95-3	Dibromomethane	ND		ug/kg dry	160	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	100	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
100-41-4	**Ethyl Benzene**	**1400**		ug/kg dry	43	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	53	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
98-82-8	**Isopropylbenzene**	**490**	J	ug/kg dry	48	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	47	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
75-09-2	**Methylene chloride**	**6.6**	B-Dil, J, B	ug/kg dry	1.3	11	1	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
91-20-3	**Naphthalene**	**1700**		ug/kg dry	62	1100	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
104-51-8	**n-Butylbenzene**	**1000**		ug/kg dry	39	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
103-65-1	**n-Propylbenzene**	**1900**		ug/kg dry	71	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
95-47-6	**o-Xylene**	**1400**		ug/kg dry	62	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
1330-20-7P/M	**p- & m- Xylenes**	**4900**		ug/kg dry	68	1100	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
99-87-6	**p-Isopropyltoluene**	**180**	J	ug/kg dry	31	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
135-98-8	**sec-Butylbenzene**	**270**	J	ug/kg dry	64	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
100-42-5	Styrene	ND		ug/kg dry	53	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	57	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	64	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
108-88-3	Toluene	ND		ug/kg dry	28	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	80	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	84	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	70	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	110	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	120	570	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS
1330-20-7	**Xylenes, Total**	**6300**		ug/kg dry	130	1700	100	EPA SW846-8260B	05/05/2011 20:42	05/05/2011 20:42	SS

Sample Information

Client Sample ID: 2MW-1 (8') **York Sample ID:** 11D0756-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	110	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	53.2	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
120-12-7	Anthracene	ND		ug/kg dry	47.1	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	73.5	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.5	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	72.3	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	57.1	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	73.5	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
218-01-9	Chrysene	ND		ug/kg dry	76.5	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.0	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
206-44-0	Fluoranthene	ND		ug/kg dry	110	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
86-73-7	**Fluorene**	**106**	J	ug/kg dry	53.2	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	70.0	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
91-20-3	**Naphthalene**	**115**	J	ug/kg dry	56.7	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
85-01-8	**Phenanthrene**	**232**		ug/kg dry	70.1	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD
129-00-0	Pyrene	ND		ug/kg dry	68.1	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:01	TD

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**87.8**		%	0.100	0.100	1	SM 2540G	05/03/2011 12:27	05/03/2011 12:27	CC

Sample Information

Client Sample ID: 2B-1 (6') **York Sample ID:** 11D0756-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS

Sample Information

Client Sample ID: 2B-1 (6')

York Sample ID: 11D0756-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.93	23	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
95-63-6	**1,2,4-Trimethylbenzene**	**2.5**	J	ug/kg dry	1.3	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.56	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.93	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
67-66-3	Chloroform	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS

Sample Information

Client Sample ID: 2B-1 (6')

York Sample ID: 11D0756-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.96	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
75-09-2	**Methylene chloride**	**18**	J, B	ug/kg dry	2.7	23	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	23	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.81	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
1330-20-7P/M	**p- & m- Xylenes**	**2.2**	J	ug/kg dry	1.4	23	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.63	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
108-88-3	Toluene	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	35	2	EPA SW846-8260B	05/05/2011 21:18	05/05/2011 21:18	SS

Sample Information

Client Sample ID: 2B-1 (6')

York Sample ID: 11D0756-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	113	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	54.6	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
120-12-7	Anthracene	ND		ug/kg dry	48.3	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	75.4	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	50.8	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	74.2	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	58.6	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	75.5	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
218-01-9	Chrysene	ND		ug/kg dry	78.6	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.3	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
206-44-0	Fluoranthene	ND		ug/kg dry	113	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
86-73-7	Fluorene	ND		ug/kg dry	54.6	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	71.9	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
91-20-3	Naphthalene	ND		ug/kg dry	58.2	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
85-01-8	Phenanthrene	ND		ug/kg dry	71.9	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD
129-00-0	Pyrene	ND		ug/kg dry	69.9	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 21:33	TD

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.00924	0.0199	1	EPA SW 846-8082	05/05/2011 06:53	05/05/2011 12:07	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.00924	0.0199	1	EPA SW 846-8082	05/05/2011 06:53	05/05/2011 12:07	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.00924	0.0199	1	EPA SW 846-8082	05/05/2011 06:53	05/05/2011 12:07	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.00924	0.0199	1	EPA SW 846-8082	05/05/2011 06:53	05/05/2011 12:07	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.00924	0.0199	1	EPA SW 846-8082	05/05/2011 06:53	05/05/2011 12:07	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.00795	0.0199	1	EPA SW 846-8082	05/05/2011 06:53	05/05/2011 12:07	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.00795	0.0199	1	EPA SW 846-8082	05/05/2011 06:53	05/05/2011 12:07	JW
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.00795	0.0199	1	EPA SW 846-8082	05/05/2011 06:53	05/05/2011 12:07	JW
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.00795	0.0199	1	EPA SW 846-8082	05/05/2011 06:53	05/05/2011 12:07	JW
1336-36-3	Total PCBs	ND		mg/kg dry	0.00795	0.0199	1	EPA SW 846-8082	05/05/2011 06:53	05/05/2011 12:07	JW

Sample Information

Client Sample ID: 2B-1 (6') **York Sample ID:** 11D0756-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**85.5**		%	0.100	0.100	1	SM 2540G	05/03/2011 12:27	05/03/2011 12:27	CC

Sample Information

Client Sample ID: 2B-2 (6') **York Sample ID:** 11D0756-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.88	22	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.1	22	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.1	22	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.52	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.88	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS

Sample Information

Client Sample ID: 2B-2 (6') **York Sample ID:** 11D0756-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.83	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
67-66-3	Chloroform	ND		ug/kg dry	0.86	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.83	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.83	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.93	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.90	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
75-09-2	**Methylene chloride**	**19**	J, B	ug/kg dry	2.5	22	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.2	22	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.76	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.3	22	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.60	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
100-42-5	Styrene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
108-88-3	Toluene	ND		ug/kg dry	0.55	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS

Sample Information

Client Sample ID: 2B-2 (6')

York Sample ID: 11D0756-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.5	33	2	EPA SW846-8260B	05/05/2011 21:54	05/05/2011 21:54	SS

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	106	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	51.5	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
120-12-7	Anthracene	ND		ug/kg dry	45.5	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	71.1	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.9	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	69.9	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	55.2	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	71.1	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
218-01-9	Chrysene	ND		ug/kg dry	74.0	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.4	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
206-44-0	Fluoranthene	ND		ug/kg dry	106	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
86-73-7	Fluorene	ND		ug/kg dry	51.5	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	67.7	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
91-20-3	Naphthalene	ND		ug/kg dry	54.9	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
85-01-8	Phenanthrene	ND		ug/kg dry	67.8	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD
129-00-0	Pyrene	ND		ug/kg dry	65.9	184	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 22:05	TD

Sample Information

Client Sample ID: 2B-2 (6') **York Sample ID:** 11D0756-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**90.7**		%	0.100	0.100	1	SM 2540G	05/03/2011 12:27	05/03/2011 12:27	CC

Sample Information

Client Sample ID: 2B-3 (6') **York Sample ID:** 11D0756-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.93	23	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.56	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.93	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS

Sample Information

Client Sample ID: 2B-3 (6') **York Sample ID:** 11D0756-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
67-66-3	Chloroform	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.98	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.96	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
75-09-2	**Methylene chloride**	**19**	J, B	ug/kg dry	2.7	23	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	23	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.81	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	23	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.63	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
108-88-3	Toluene	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS

Sample Information

Client Sample ID: 2B-3 (6')

York Sample ID: 11D0756-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	35	2	EPA SW846-8260B	05/05/2011 22:30	05/05/2011 22:30	SS

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	113	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	54.6	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
120-12-7	Anthracene	ND		ug/kg dry	48.3	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	75.4	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	50.8	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	74.1	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	58.6	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	75.4	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
218-01-9	Chrysene	ND		ug/kg dry	78.5	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.2	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
206-44-0	Fluoranthene	ND		ug/kg dry	113	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
86-73-7	Fluorene	ND		ug/kg dry	54.6	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	71.8	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
91-20-3	Naphthalene	ND		ug/kg dry	58.2	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
85-01-8	Phenanthrene	ND		ug/kg dry	71.9	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD
129-00-0	Pyrene	ND		ug/kg dry	69.9	195	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:10	TD

Sample Information

Client Sample ID: 2B-3 (6') **York Sample ID:** 11D0756-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**85.6**		%	0.100	0.100	1	SM 2540G	05/03/2011 12:27	05/03/2011 12:27	CC

Sample Information

Client Sample ID: 2B-4 (4') **York Sample ID:** 11D0756-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.91	23	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.54	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.91	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS

Sample Information

Client Sample ID: 2B-4 (4')

York Sample ID: 11D0756-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.86	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
67-66-3	Chloroform	ND		ug/kg dry	0.89	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.86	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.86	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.96	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.94	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
75-09-2	**Methylene chloride**	**19**	J, B	ug/kg dry	2.6	23	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.79	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	23	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.62	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
108-88-3	Toluene	ND		ug/kg dry	0.57	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS

Sample Information

Client Sample ID: 2B-4 (4') **York Sample ID:** 11D0756-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.6	34	2	EPA SW846-8260B	05/05/2011 23:06	05/05/2011 23:06	SS

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	110	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	53.4	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
120-12-7	**Anthracene**	**106**	J	ug/kg dry	47.2	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
56-55-3	**Benzo(a)anthracene**	**153**	J	ug/kg dry	73.7	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
50-32-8	**Benzo(a)pyrene**	**157**	J	ug/kg dry	49.7	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
205-99-2	**Benzo(b)fluoranthene**	**121**	J	ug/kg dry	72.5	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	57.2	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
207-08-9	**Benzo(k)fluoranthene**	**148**	J	ug/kg dry	73.7	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
218-01-9	**Chrysene**	**156**	J	ug/kg dry	76.7	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.1	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
206-44-0	**Fluoranthene**	**345**		ug/kg dry	110	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
86-73-7	Fluorene	ND		ug/kg dry	53.4	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	70.2	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
91-20-3	Naphthalene	ND		ug/kg dry	56.9	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
85-01-8	**Phenanthrene**	**312**		ug/kg dry	70.3	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD
129-00-0	**Pyrene**	**311**		ug/kg dry	68.3	190	1	EPA SW-846 8270C	05/06/2011 14:53	05/09/2011 23:43	TD

Sample Information

Client Sample ID: 2B-4 (4')

York Sample ID: 11D0756-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11D0756	WY07054.21	Soil	April 26, 2011 3:00 pm	04/27/2011

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**87.5**		%	0.100	0.100	1	SM 2540G	05/03/2011 12:27	05/03/2011 12:27	CC

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B-Dil	Detected in method blank(s) associated with the sample analysis. This is a common lab artifact which is found at ND-25 ppb. No dilution factor has been applied to these compounds to eliminate artificially inflated results.
B	Analyte is found in the associated analysis batch blank.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

YORK
ANALYTICAL LABORATORIES, INC.
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 unless superseded by written contract.

York Project No. 11D0756

Client Information	Report to:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: Ecosystems Strategies	SAME ☐	SAME ☐	WY07054.21	RUSH Same Day ____	Summary X
Address: 14 Davis Ave,	Name: Richard	Name: Brenda		RUSH Next Day ____	QA/QC Summary ____
Poughkeepsie	Company:	Company:		RUSH Two Day ____	CT RCP Pkg ____
Phone no.: 845 452 1658	Address:	Address:	Purchase Order no.	RUSH Three Day ____	ASP A Pkg ____
Contact Person				RUSH Four Day ____	ASP B Pkg ____
E-mail Addr.:	E-mail:	E-mail		Standard (5-7 days) X	Excel X
FAX No.:	Fax No.:	Fax No.:	Samples from: CT NY NJ	OTHER	EDD

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

R. Hooker
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	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5	
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Indiv. Metals	Air STARS	Part 360-	BTU/lb.	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360-	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe,	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Ni, Mn, Ag, etc	Helium	TAGM	Silica	MBAS	TPH - IR

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
2MW-1 (8')	4/26/11	soil	8260 full, PAHs	8oz + 2 oz
2B-1 (6')				
2B-2 (6')				
2B-3 (6')				
2B-4 (4')				

Comments

Preservation "X" those applicable

Cool 4°C ____ HNO3 ____ H2SO4 ____ NaOH ____ NONE ____ FROZEN ____

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
	4/27/11	Chris C	4-27-11 9:30
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
			4/27/11-1600

Temperature on Receipt 4.4 °C

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

Report Date: 09/29/2010
Client Project ID: WY07054.20
York Project (SDG) No.: 10I0727

Report Date: 09/29/2010
Client Project ID: WY07054.20
York Project (SDG) No.: 10I0727

Ecosystems Strategies, Inc.
24 Davis Avenue
Poughkeepsie NY, 12603
Attention: Richard Hooker

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 22, 2010 and listed below. The project was identified as your project: **WY07054.20**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
10I0727-01	B-1 9'	Soil	09/21/2010	09/22/2010
10I0727-02	B-3 9'	Soil	09/21/2010	09/22/2010
10I0727-03	B-8 9'	Soil	09/21/2010	09/22/2010
10I0727-04	B-11 7.5'	Soil	09/21/2010	09/22/2010
10I0727-05	B-13 10'	Soil	09/21/2010	09/22/2010
10I0727-06	B-15 12'	Soil	09/21/2010	09/22/2010
10I0727-07	B-16 11'	Soil	09/21/2010	09/22/2010
10I0727-08	B-2 9'	Soil	09/21/2010	09/22/2010

General Notes for York Project (SDG) No.: 10I0727

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 09/29/2010

Robert Q. Bradley
Managing Director

YORK

Sample Information

Client Sample ID: **B-1 9'** **York Sample ID:** **10I0727-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	340	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	600	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	360	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	380	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	390	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	440	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	840	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	270	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	230	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	720	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	300	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
95-63-6	**1,2,4-Trimethylbenzene**	**46000**		ug/kg dry	330	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	830	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	430	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	370	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	410	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	140	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
108-67-8	**1,3,5-Trimethylbenzene**	**13000**		ug/kg dry	230	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	300	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	440	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	430	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	610	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	310	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	310	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
71-43-2	Benzene	ND		ug/kg dry	300	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
108-86-1	Bromobenzene	ND		ug/kg dry	390	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	810	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	390	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
75-25-2	Bromoform	ND		ug/kg dry	370	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
74-83-9	Bromomethane	ND		ug/kg dry	780	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	660	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	220	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
75-00-3	Chloroethane	ND		ug/kg dry	480	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
67-66-3	Chloroform	ND		ug/kg dry	230	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS

Sample Information

Client Sample ID: **B-1 9'** **York Sample ID:** **10I0727-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	560	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	610	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	220	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	420	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
74-95-3	Dibromomethane	ND		ug/kg dry	840	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	520	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
100-41-4	**Ethyl Benzene**	**10000**		ug/kg dry	220	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	270	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
98-82-8	**Isopropylbenzene**	**2100**	J	ug/kg dry	250	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	240	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
75-09-2	**Methylene chloride**	**4500**	J, B	ug/kg dry	670	5900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
91-20-3	**Naphthalene**	**15000**		ug/kg dry	320	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
104-51-8	**n-Butylbenzene**	**4400**		ug/kg dry	200	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
103-65-1	**n-Propylbenzene**	**6100**		ug/kg dry	370	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
95-47-6	**o-Xylene**	**16000**		ug/kg dry	320	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
1330-20-7P/M	**p- & m- Xylenes**	**36000**		ug/kg dry	350	5900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
99-87-6	**p-Isopropyltoluene**	**1100**	J	ug/kg dry	160	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
135-98-8	**sec-Butylbenzene**	**1400**	J	ug/kg dry	330	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
100-42-5	Styrene	ND		ug/kg dry	270	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	290	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	330	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
108-88-3	**Toluene**	**1800**	J	ug/kg dry	150	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	410	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	430	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	360	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	580	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	610	2900	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS
	Xylenes, Total	**52000**		ug/kg dry	660	8800	500	EPA SW846-8260B	09/29/2010 12:54	09/29/2010 12:54	SS

Sample Information

Client Sample ID: **B-1 9'** **York Sample ID:** **10I0727-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	113	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
208-96-8	**Acenaphthylene**	**57.7**	J	ug/kg dry	54.7	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
120-12-7	Anthracene	ND		ug/kg dry	48.4	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	75.5	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	50.9	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	74.2	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	58.6	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	75.5	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
218-01-9	Chrysene	ND		ug/kg dry	78.6	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.3	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
206-44-0	Fluoranthene	ND		ug/kg dry	113	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
86-73-7	Fluorene	ND		ug/kg dry	54.7	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	71.9	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
91-20-3	**Naphthalene**	**1280**		ug/kg dry	58.3	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
85-01-8	Phenanthrene	ND		ug/kg dry	72.0	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD
129-00-0	Pyrene	ND		ug/kg dry	70.0	195	1	EPA SW-846 8270C	09/24/2010 16:24	09/27/2010 23:38	TD

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**85.4**		%	0.100	0.100	1	SM 2540G	09/29/2010 13:50	09/29/2010 12:41	MZ

Sample Information

Client Sample ID: **B-3 9'** **York Sample ID:** **10I0727-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	130	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	240	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	140	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	150	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	150	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS

Sample Information

Client Sample ID: B-3 9' **York Sample ID:** 10I0727-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	170	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	330	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	110	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	92	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	280	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	120	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
95-63-6	**1,2,4-Trimethylbenzene**	**20000**		ug/kg dry	130	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	330	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	170	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	150	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	160	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	55	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
108-67-8	**1,3,5-Trimethylbenzene**	**5500**		ug/kg dry	92	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	120	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	170	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	170	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	240	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	120	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	120	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
71-43-2	Benzene	ND		ug/kg dry	120	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
108-86-1	Bromobenzene	ND		ug/kg dry	150	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	320	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	150	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
75-25-2	Bromoform	ND		ug/kg dry	140	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
74-83-9	Bromomethane	ND		ug/kg dry	310	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	260	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	87	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
75-00-3	Chloroethane	ND		ug/kg dry	190	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
67-66-3	Chloroform	ND		ug/kg dry	90	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
74-87-3	Chloromethane	ND		ug/kg dry	220	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	240	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	87	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	170	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
74-95-3	Dibromomethane	ND		ug/kg dry	330	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	210	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS

Sample Information

Client Sample ID: B-3 9' **York Sample ID:** 10I0727-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**2000**		ug/kg dry	87	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	110	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
98-82-8	**Isopropylbenzene**	**500**	J	ug/kg dry	97	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	95	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
75-09-2	**Methylene chloride**	**2100**	B, J	ug/kg dry	260	2300	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
91-20-3	**Naphthalene**	**6400**		ug/kg dry	120	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
104-51-8	**n-Butylbenzene**	**1700**		ug/kg dry	80	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
103-65-1	**n-Propylbenzene**	**2100**		ug/kg dry	140	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
95-47-6	**o-Xylene**	**5000**		ug/kg dry	120	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
1330-20-7P/M	**p- & m- Xylenes**	**10000**		ug/kg dry	140	2300	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
99-87-6	**p-Isopropyltoluene**	**240**	J	ug/kg dry	62	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
135-98-8	**sec-Butylbenzene**	**330**	J	ug/kg dry	130	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
100-42-5	Styrene	ND		ug/kg dry	110	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	110	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	130	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
108-88-3	**Toluene**	**200**	J	ug/kg dry	57	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	160	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	170	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	140	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	230	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	240	1200	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS
	Xylenes, Total	**15000**		ug/kg dry	260	3500	200	EPA SW846-8260B	09/29/2010 13:40	09/29/2010 13:40	SS

Sample Information

Client Sample ID: B-3 9' **York Sample ID:** 10I0727-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	112	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	53.9	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
120-12-7	Anthracene	ND		ug/kg dry	47.7	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	74.5	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	50.2	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	73.2	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	57.9	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	74.5	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
218-01-9	Chrysene	ND		ug/kg dry	77.6	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.6	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
206-44-0	Fluoranthene	ND		ug/kg dry	112	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
86-73-7	Fluorene	ND		ug/kg dry	53.9	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	71.0	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
91-20-3	Naphthalene	ND		ug/kg dry	57.5	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
85-01-8	Phenanthrene	ND		ug/kg dry	71.0	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD
129-00-0	Pyrene	ND		ug/kg dry	69.1	192	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:11	TD

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**86.6**		%	0.100	0.100	1	SM 2540G	09/29/2010 13:50	09/29/2010 12:41	MZ

Sample Information

Client Sample ID: B-8 9' **York Sample ID:** 10I0727-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	390	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	690	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	420	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	440	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	450	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS

Sample Information

Client Sample ID: B-8 9' **York Sample ID:** 10I0727-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	500	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	970	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	310	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	270	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	830	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	350	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
95-63-6	**1,2,4-Trimethylbenzene**	**120000**		ug/kg dry	390	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	970	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	500	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	430	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	480	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	160	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
108-67-8	**1,3,5-Trimethylbenzene**	**34000**		ug/kg dry	270	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	340	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	500	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	500	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	700	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	360	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	360	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
71-43-2	Benzene	ND		ug/kg dry	350	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
108-86-1	Bromobenzene	ND		ug/kg dry	450	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	940	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	450	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
75-25-2	Bromoform	ND		ug/kg dry	420	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
74-83-9	Bromomethane	ND		ug/kg dry	910	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	760	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	260	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
75-00-3	Chloroethane	ND		ug/kg dry	560	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
67-66-3	Chloroform	ND		ug/kg dry	260	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
74-87-3	Chloromethane	ND		ug/kg dry	650	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	700	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	260	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	490	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
74-95-3	Dibromomethane	ND		ug/kg dry	970	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	610	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS

Sample Information

Client Sample ID: B-8 9' **York Sample ID:** 10I0727-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	**Ethyl Benzene**	**21000**		ug/kg dry	260	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	310	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
98-82-8	**Isopropylbenzene**	**4400**		ug/kg dry	290	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	280	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
75-09-2	**Methylene chloride**	**6600**	B, J	ug/kg dry	780	6800	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
91-20-3	**Naphthalene**	**34000**		ug/kg dry	370	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
104-51-8	**n-Butylbenzene**	**9300**		ug/kg dry	230	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
103-65-1	**n-Propylbenzene**	**16000**		ug/kg dry	420	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
95-47-6	**o-Xylene**	**33000**		ug/kg dry	370	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
1330-20-7P/M	**p- & m- Xylenes**	**85000**		ug/kg dry	400	6800	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
99-87-6	**p-Isopropyltoluene**	**1500**	J	ug/kg dry	180	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
135-98-8	**sec-Butylbenzene**	**2200**	J	ug/kg dry	380	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
100-42-5	Styrene	ND		ug/kg dry	310	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	340	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	380	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
108-88-3	**Toluene**	**3400**		ug/kg dry	170	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	480	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	500	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	420	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	670	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	710	3400	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS
	Xylenes, Total	**120000**		ug/kg dry	770	10000	500	EPA SW846-8260B	09/29/2010 14:26	09/29/2010 14:26	SS

Sample Information

Client Sample ID: B-8 9' **York Sample ID:** 10I0727-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	131	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
208-96-8	**Acenaphthylene**	**279**		ug/kg dry	63.3	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
120-12-7	**Anthracene**	**152**	J	ug/kg dry	56.0	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	87.3	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	58.9	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	85.9	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	67.9	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	87.4	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
218-01-9	Chrysene	ND		ug/kg dry	91.0	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	57.1	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
206-44-0	**Fluoranthene**	**199**	J	ug/kg dry	131	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
86-73-7	Fluorene	ND		ug/kg dry	63.3	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	83.2	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
91-20-3	**Naphthalene**	**8990**		ug/kg dry	67.4	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
85-01-8	**Phenanthrene**	**945**		ug/kg dry	83.3	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD
129-00-0	**Pyrene**	**118**	J	ug/kg dry	81.0	226	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 00:43	TD

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**73.8**		%	0.100	0.100	1	SM 2540G	09/29/2010 13:50	09/29/2010 12:41	MZ

Sample Information

Client Sample ID: B-11 7.5' **York Sample ID:** 10I0727-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	170	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	290	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	180	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	180	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	190	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	210	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS

Sample Information

Client Sample ID: **B-11 7.5'** **York Sample ID:** **10I0727-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	410	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	130	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	110	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	350	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	150	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
95-63-6	**1,2,4-Trimethylbenzene**	**42000**		ug/kg dry	160	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	410	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	210	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	180	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	200	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	68	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
108-67-8	**1,3,5-Trimethylbenzene**	**12000**		ug/kg dry	110	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	140	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	210	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	210	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	300	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	150	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	150	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
71-43-2	Benzene	ND		ug/kg dry	150	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
108-86-1	Bromobenzene	ND		ug/kg dry	190	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	390	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	190	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
75-25-2	Bromoform	ND		ug/kg dry	180	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
74-83-9	Bromomethane	ND		ug/kg dry	380	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	320	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	110	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
75-00-3	Chloroethane	ND		ug/kg dry	230	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
67-66-3	Chloroform	ND		ug/kg dry	110	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
74-87-3	Chloromethane	ND		ug/kg dry	270	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	300	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	110	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	210	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
74-95-3	Dibromomethane	ND		ug/kg dry	410	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	260	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
100-41-4	**Ethyl Benzene**	**9000**		ug/kg dry	110	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS

Sample Information

Client Sample ID: B-11 7.5' **York Sample ID:** 10I0727-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	130	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
98-82-8	**Isopropylbenzene**	**1600**		ug/kg dry	120	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	120	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
75-09-2	**Methylene chloride**	**3200**	B	ug/kg dry	330	2900	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
91-20-3	**Naphthalene**	**14000**		ug/kg dry	150	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
104-51-8	**n-Butylbenzene**	**3200**		ug/kg dry	99	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
103-65-1	**n-Propylbenzene**	**5300**		ug/kg dry	180	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
95-47-6	**o-Xylene**	**15000**		ug/kg dry	150	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
1330-20-7P/M	**p- & m- Xylenes**	**36000**		ug/kg dry	170	2900	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
99-87-6	**p-Isopropyltoluene**	**520**	J	ug/kg dry	77	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
135-98-8	**sec-Butylbenzene**	**840**	J	ug/kg dry	160	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
100-42-5	Styrene	ND		ug/kg dry	130	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	140	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	160	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
108-88-3	**Toluene**	**4000**		ug/kg dry	71	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	200	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	210	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	180	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	280	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	300	1400	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS
	Xylenes, Total	**51000**		ug/kg dry	320	4300	250	EPA SW846-8260B	09/29/2010 15:11	09/29/2010 15:11	SS

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**87.7**		%	0.100	0.100	1	SM 2540G	09/29/2010 13:50	09/29/2010 12:41	MZ

Sample Information

Client Sample ID: B-13 10' **York Sample ID:** 10I0727-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	320	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS

Sample Information

Client Sample ID: B-13 10'

York Sample ID: 10I0727-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	570	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	340	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	360	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	360	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	410	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	790	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	260	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	220	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	680	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	290	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
95-63-6	**1,2,4-Trimethylbenzene**	**51000**		ug/kg dry	320	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	790	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	410	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	350	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	390	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	130	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
108-67-8	**1,3,5-Trimethylbenzene**	**14000**		ug/kg dry	220	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	280	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	410	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	410	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	570	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	290	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	290	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
71-43-2	Benzene	ND		ug/kg dry	290	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
108-86-1	Bromobenzene	ND		ug/kg dry	360	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	760	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	370	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
75-25-2	Bromoform	ND		ug/kg dry	350	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
74-83-9	Bromomethane	ND		ug/kg dry	740	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	620	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	210	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
75-00-3	Chloroethane	ND		ug/kg dry	450	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
67-66-3	Chloroform	ND		ug/kg dry	210	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
74-87-3	Chloromethane	ND		ug/kg dry	530	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS

Sample Information

Client Sample ID: **B-13 10'** **York Sample ID:** **10I0727-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	570	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	210	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	400	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
74-95-3	Dibromomethane	ND		ug/kg dry	790	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	500	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
100-41-4	**Ethyl Benzene**	**8000**		ug/kg dry	210	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	260	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
98-82-8	**Isopropylbenzene**	**1800**	J	ug/kg dry	230	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	230	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
75-09-2	**Methylene chloride**	**11**	B-Dil, B	ug/kg dry	1.3	11	1	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
91-20-3	**Naphthalene**	**14000**		ug/kg dry	300	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
104-51-8	**n-Butylbenzene**	**4200**		ug/kg dry	190	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
103-65-1	**n-Propylbenzene**	**6400**		ug/kg dry	350	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
95-47-6	**o-Xylene**	**14000**		ug/kg dry	300	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
1330-20-7P/M	**p- & m- Xylenes**	**36000**		ug/kg dry	330	5500	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
99-87-6	**p-Isopropyltoluene**	**690**	J	ug/kg dry	150	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
135-98-8	**sec-Butylbenzene**	**1000**	J	ug/kg dry	310	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
100-42-5	Styrene	ND		ug/kg dry	260	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	270	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	310	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
108-88-3	**Toluene**	**3500**		ug/kg dry	140	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	390	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	410	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	340	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	540	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	580	2800	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS
	Xylenes, Total	**50000**		ug/kg dry	630	8300	500	EPA SW846-8260B	09/28/2010 18:16	09/28/2010 18:16	SS

Sample Information

Client Sample ID: B-13 10' **York Sample ID:** 10I0727-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**90.4**		%	0.100	0.100	1	SM 2540G	09/29/2010 13:50	09/29/2010 12:41	MZ

Sample Information

Client Sample ID: B-15 12' **York Sample ID:** 10I0727-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	340	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	590	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	350	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	370	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	380	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	430	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	830	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	270	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	230	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	710	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	300	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
95-63-6	**1,2,4-Trimethylbenzene**	**99000**		ug/kg dry	330	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	820	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	420	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	370	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	400	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	140	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
108-67-8	**1,3,5-Trimethylbenzene**	**30000**		ug/kg dry	230	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	290	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	430	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	420	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	600	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	300	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	300	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
71-43-2	Benzene	ND		ug/kg dry	300	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS

Sample Information

Client Sample ID: **B-15 12'** **York Sample ID:** **10I0727-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-86-1	Bromobenzene	ND		ug/kg dry	380	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	790	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	380	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
75-25-2	Bromoform	ND		ug/kg dry	360	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
74-83-9	Bromomethane	ND		ug/kg dry	770	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	650	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	220	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
75-00-3	Chloroethane	ND		ug/kg dry	470	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
67-66-3	Chloroform	ND		ug/kg dry	220	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
74-87-3	Chloromethane	ND		ug/kg dry	550	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	600	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	220	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	420	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
74-95-3	Dibromomethane	ND		ug/kg dry	830	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	520	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
100-41-4	**Ethyl Benzene**	**26000**		ug/kg dry	220	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	270	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
98-82-8	**Isopropylbenzene**	**4800**		ug/kg dry	240	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	240	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
75-09-2	**Methylene chloride**	**9.5**	B-Dil, B, J	ug/kg dry	1.3	11	1	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
91-20-3	**Naphthalene**	**23000**		ug/kg dry	310	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
104-51-8	**n-Butylbenzene**	**9000**		ug/kg dry	200	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
103-65-1	**n-Propylbenzene**	**15000**		ug/kg dry	360	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
95-47-6	**o-Xylene**	**31000**		ug/kg dry	310	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
1330-20-7P/M	**p- & m- Xylenes**	**90000**		ug/kg dry	340	5700	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
99-87-6	**p-Isopropyltoluene**	**1900**	J	ug/kg dry	160	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	320	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
100-42-5	Styrene	ND		ug/kg dry	270	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	290	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	320	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
108-88-3	**Toluene**	**6000**		ug/kg dry	140	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	400	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	420	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	350	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	560	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS

Sample Information

Client Sample ID: B-15 12' **York Sample ID:** 10I0727-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	600	2900	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS
	Xylenes, Total	**120000**		ug/kg dry	650	8600	500	EPA SW846-8260B	09/28/2010 19:02	09/28/2010 19:02	SS

Total Solids **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**87.0**		%	0.100	0.100	1	SM 2540G	09/29/2010 13:50	09/29/2010 12:41	MZ

Sample Information

Client Sample ID: B-16 11' **York Sample ID:** 10I0727-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.91	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
95-63-6	**1,2,4-Trimethylbenzene**	**11**		ug/kg dry	1.3	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.54	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.91	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS

Sample Information

Client Sample ID: B-16 11' **York Sample ID:** 10I0727-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.86	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
67-66-3	Chloroform	ND		ug/kg dry	0.88	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.86	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.86	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.96	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.93	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
75-09-2	**Methylene chloride**	**27**	B	ug/kg dry	2.6	23	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
91-20-3	**Naphthalene**	**45**		ug/kg dry	1.2	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.79	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
1330-20-7P/M	**p- & m- Xylenes**	**2.8**	J	ug/kg dry	1.4	23	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.61	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS

Sample Information

Client Sample ID: B-16 11'

York Sample ID: 10I0727-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
108-88-3	Toluene	ND		ug/kg dry	0.56	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS
	Xylenes, Total	**2.8**	J	ug/kg dry	2.6	34	2	EPA SW846-8260B	09/29/2010 11:23	09/29/2010 11:23	SS

Semi-Volatiles, PAH Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	110	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	53.1	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
120-12-7	Anthracene	ND		ug/kg dry	47.0	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	73.3	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.4	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	72.1	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	56.9	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	73.3	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
218-01-9	Chrysene	ND		ug/kg dry	76.3	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.9	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
206-44-0	Fluoranthene	ND		ug/kg dry	110	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
86-73-7	Fluorene	ND		ug/kg dry	53.1	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	69.8	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
91-20-3	Naphthalene	ND		ug/kg dry	56.6	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
85-01-8	Phenanthrene	ND		ug/kg dry	69.9	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD
129-00-0	Pyrene	ND		ug/kg dry	68.0	189	1	EPA SW-846 8270C	09/24/2010 16:24	09/28/2010 01:16	TD

Sample Information

Client Sample ID: B-16 11' **York Sample ID:** 10I0727-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**88.0**		%	0.100	0.100	1	SM 2540G	09/29/2010 13:50	09/29/2010 12:41	MZ

Sample Information

Client Sample ID: B-2 9' **York Sample ID:** 10I0727-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.90	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
95-63-6	**1,2,4-Trimethylbenzene**	**540**	J	ug/kg dry	64	560	100	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.53	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
108-67-8	**1,3,5-Trimethylbenzene**	**350**		ug/kg dry	0.90	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS

Sample Information

Client Sample ID: B-2 9' **York Sample ID:** 10I0727-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
67-66-3	Chloroform	ND		ug/kg dry	0.87	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
100-41-4	**Ethyl Benzene**	**270**		ug/kg dry	0.85	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
98-82-8	**Isopropylbenzene**	**45**		ug/kg dry	0.95	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.92	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
75-09-2	**Methylene chloride**	**19**	J, B	ug/kg dry	2.6	22	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
91-20-3	**Naphthalene**	**91**	J	ug/kg dry	61	560	100	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.78	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
103-65-1	**n-Propylbenzene**	**160**		ug/kg dry	1.4	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
95-47-6	**o-Xylene**	**220**	J	ug/kg dry	61	560	100	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
1330-20-7P/M	**p- & m- Xylenes**	**580**	J	ug/kg dry	67	1100	100	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
99-87-6	**p-Isopropyltoluene**	**30**		ug/kg dry	0.61	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
135-98-8	**sec-Butylbenzene**	**18**		ug/kg dry	1.3	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
100-42-5	Styrene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
127-18-4	**Tetrachloroethylene**	**3.1**	J	ug/kg dry	1.3	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
108-88-3	**Toluene**	**120**		ug/kg dry	0.56	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS

Sample Information

Client Sample ID: B-2 9' **York Sample ID:** 10I0727-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
10I0727	WY07054.20	Soil	September 21, 2010 3:00 pm	09/22/2010

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS
	Xylenes, Total	**1600**		ug/kg dry	2.6	34	2	EPA SW846-8260B	09/29/2010 12:00	09/29/2010 12:00	SS

Total Solids

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

Sample Prepared by Method: % Solids

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	% Solids	**88.9**		%	0.100	0.100	1	SM 2540G	09/29/2010 13:50	09/29/2010 12:41	MZ

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B-Dil	Detected in method blank(s) associated with the sample analysis. This is a common lab artifact which is found at ND-25 ppb. No dilution factor has been applied to these compounds to eliminate artificially inflated results.
B	Analyte is found in the associated analysis batch blank.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

YORK
ANALYTICAL LABORATORIES, INC.
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 unless superseded by written contract.

York Project No. 10I0727

Client Information	Report to:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: Ecosystems Strategies	SAME ☐	SAME ☐	WY07054.20	RUSH Same Day ____	Summary X
Address: 14 Davis Ave, Poughkeepsie	Name: Richard	Name: Brenda		RUSH Next Day ____	QA/QC Summary ____
Phone no.: 845 452 1658	Company:	Company:	Purchase Order no.	RUSH Two Day ____	CT RCP Pkg ____
Contact Person	Address:	Address:		RUSH Three Day ____	ASP A Pkg ____
E-mail Addr.:	E-mail:	E-mail		RUSH Four Day ____	ASP B Pkg ____
FAX No.:	Fax No.:	Fax No.:	Samples from: CT__ NY__ NJ__	Standard (5-7 days) X	Excel X
				OTHER	EDD

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.

R. Hoover
Samples Collected/Authorized By (Signature)

R. Hoover
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	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Soluble Metals	Air STARS	Part 360-Expanded (Non-Hazardous Waters)	BTU/lb.	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360-Expanded (Full List)	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe,	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, Ag, etc.	Helium	TAGM	Silica	MBAS	TPH-IR

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
B-1 9'	9/22/2010	Soil	VOCs, PAHs	1x8 1x2
B-3 9'			VOCs, PAHs	
B-8 9'			VOCs, PAHs	
B-11 7.5'			VOCs	
B-13 10'			VOCs	
B-15 12'			VOCs	
B-16 11'			VOCs, PAHs	X
B-2 9'			VOCs	X

Comments

Preservation "X" those applicable: Cool 4°C___ HNO3___ H2SO4___ NaOH___ NONE___ FROZEN___

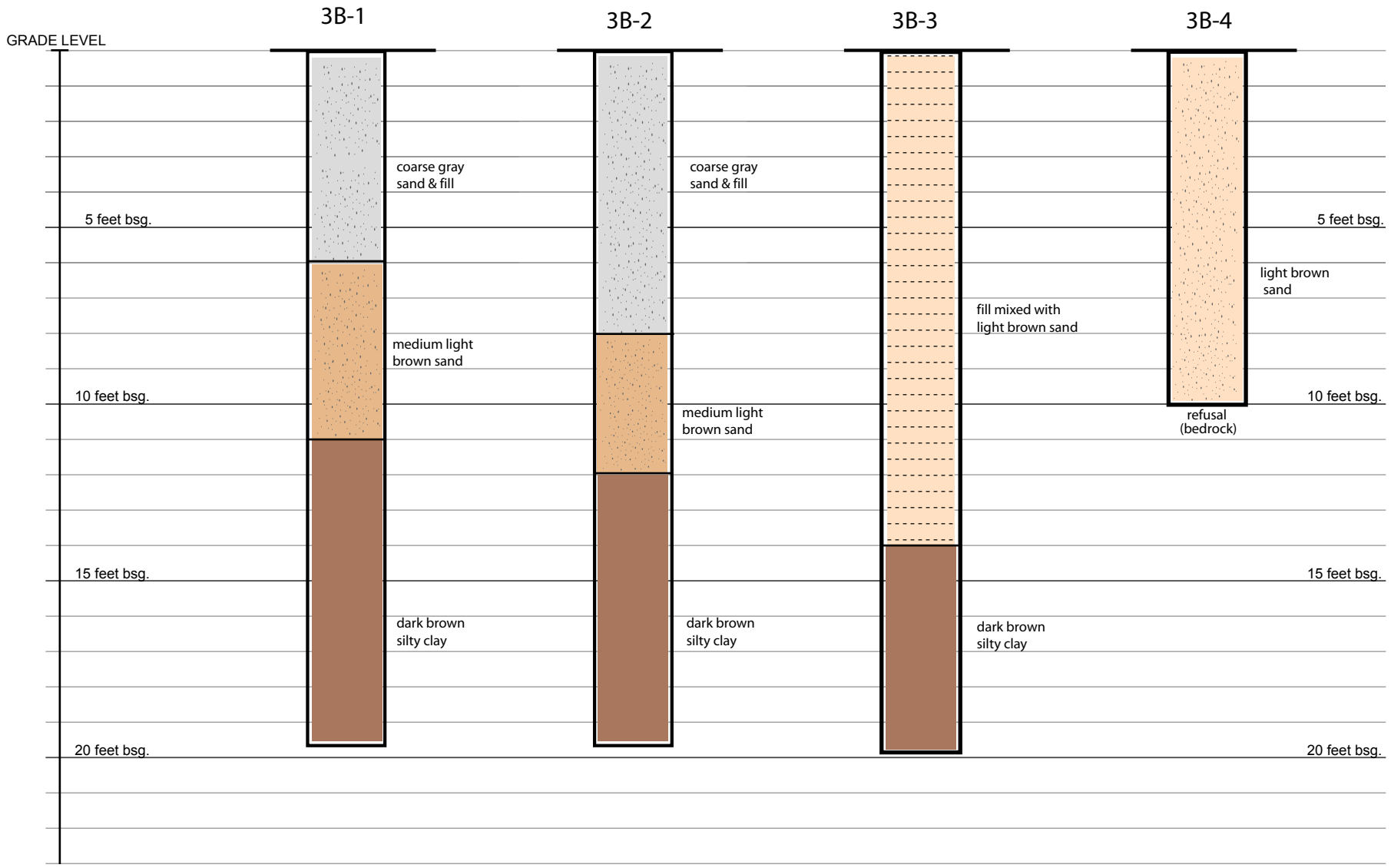
R. Hoover	9/22/10 10:55		9-22-10 10:35
Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Samples Relinquished By	Date/Time	Samples Received in LAB by	9/22/10 - 1550 Date/Time

Temperature on Receipt 4.2 °C

APPENDIX F

Boring and Well Installation Logs

Ecosystems Strategies, Inc.



Boring Log 3B-1 to 3B-4

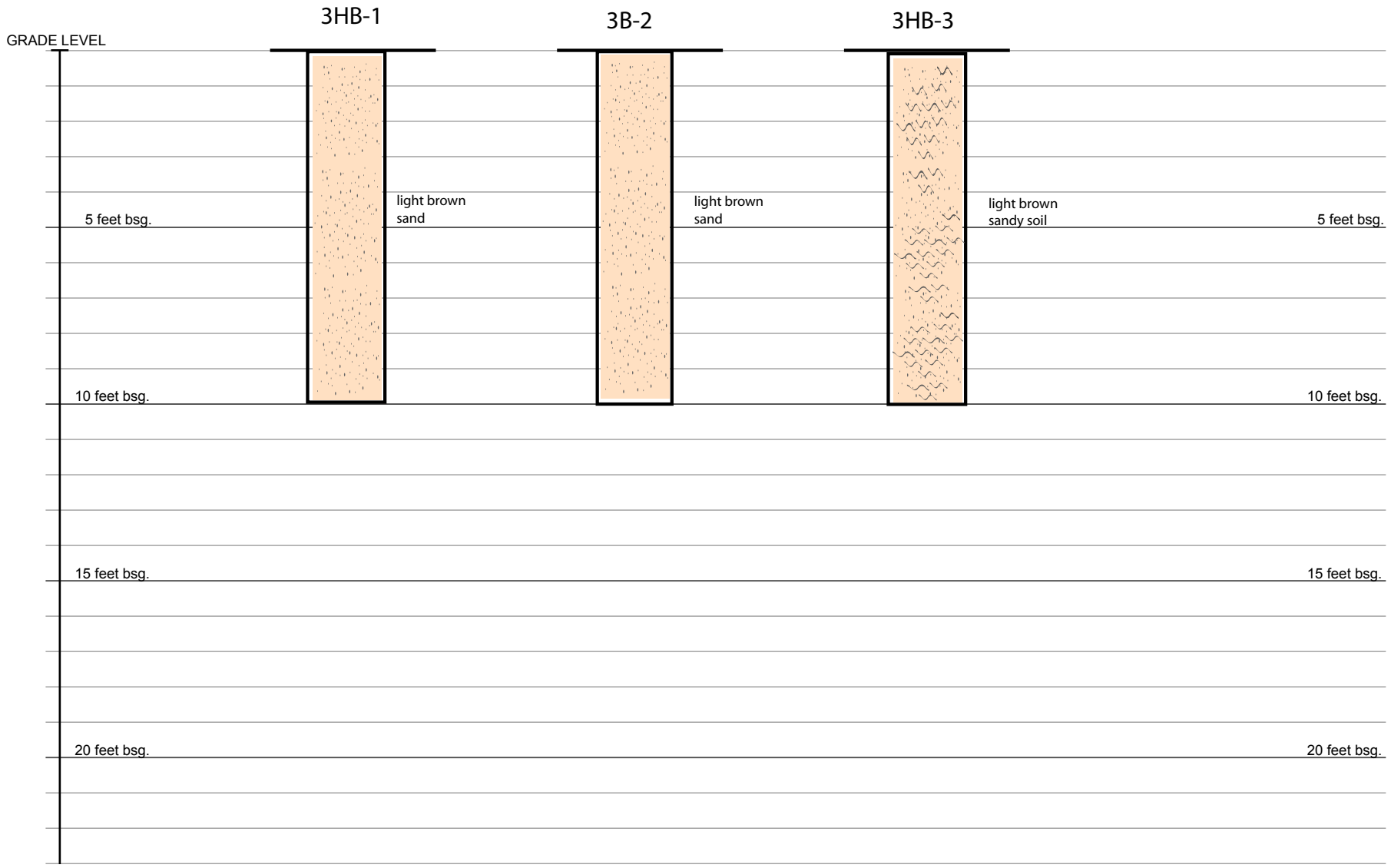
7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054.50

September 2014

Appendix F

Ecosystems Strategies, Inc.



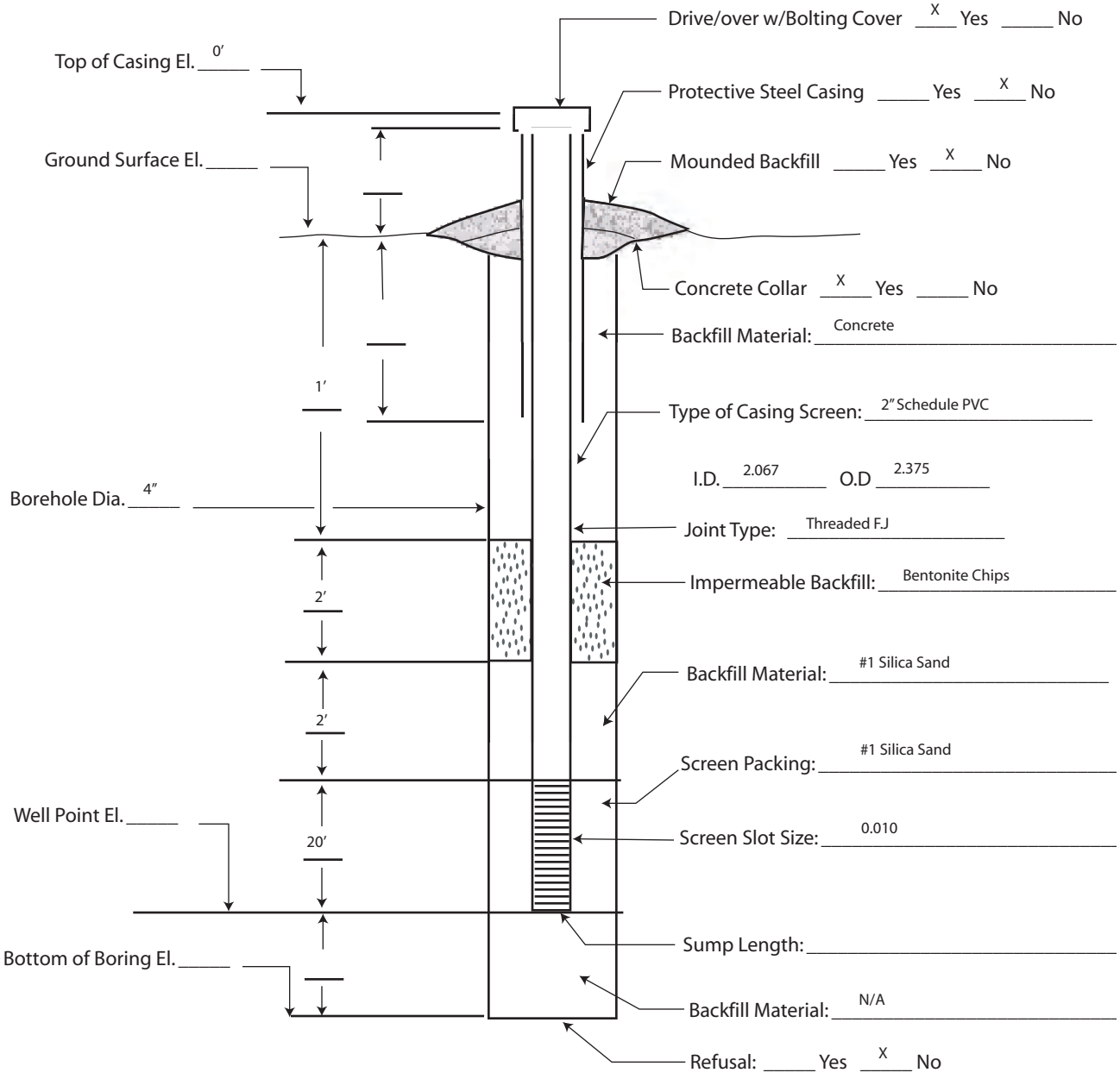
Boring Log 3HB-1 to 3HB-3

7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054.50

September 2014

Appendix F



Materials Used:

Screen (PVC)	Bentonite Pellets	Locking Exp. Plug
Riser (PVC)	Asphalt	Lock
Plug (PVC)	Bentonite Chips	D/O
Slip Cap (PVC)	Concrete Mix	S/U
Silica Sand	Portland	
Powdered Bentonite		

Monitor Well Installation Detail - 3MW-1

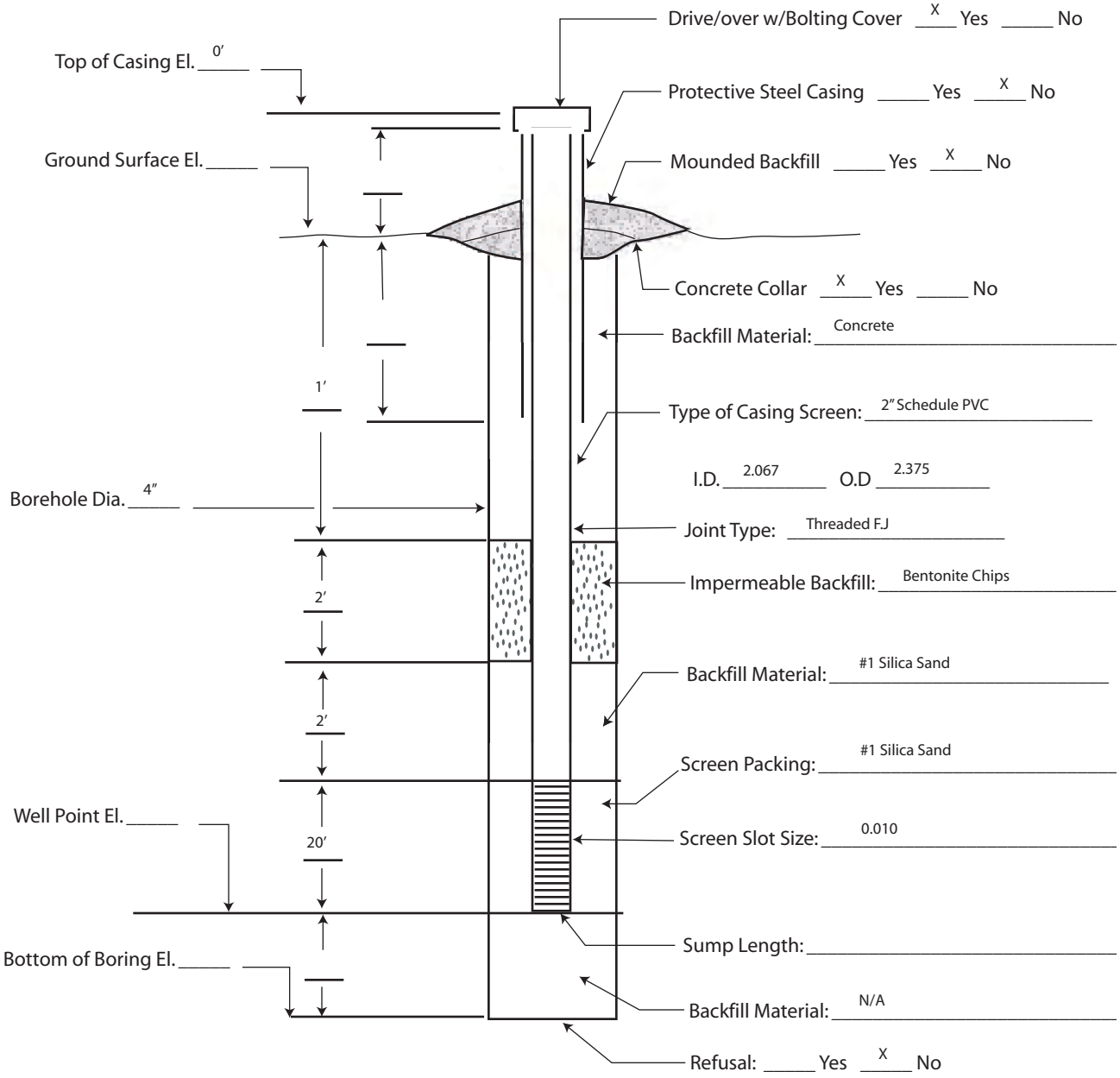
7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054

September 2014

Appendix F

Ecosystems Strategies, Inc.



Materials Used:

Screen (PVC)	Bentonite Pellets	Locking Exp. Plug
Riser (PVC)	Asphalt	Lock
Plug (PVC)	Bentonite Chips	D/O
Slip Cap (PVC)	Concrete Mix	S/U
Silica Sand	Portland	
Powdered Bentonite		

Monitor Well Installation Detail - 3MW-2

7-17 Ludlow Street
City of Yonkers
Westchester County, New York

ESI File: WY07054

September 2014

Appendix F

APPENDIX G

Test Pit Photographs

PHOTOGRAPHS



TP-1. Groundwater at 8.5'; bedrock at 12'. No field evidence of contamination.



TP-2. Bedrock at 5'. No field evidence of contamination.

PHOTOGRAPHS



TP-3. Urban fill at northern end of test pit at depths between 3' and 6' from the surface. Groundwater at 8.5'. Petroleum staining and odor at groundwater interface.



TP-4. Groundwater at 8.5'. Total depth 10'. Rocks up to 2' diameter in the Subsurface. Petroleum odor and staining at groundwater interface.

PHOTOGRAPHS



TP-5. Stained soils from 3'-9' with slight petroleum odor. Groundwater at 8.5'. Bedrock at 12'.



TP-6. Urban fill from 0-6'. Groundwater at 9'. Bedrock at 14'.

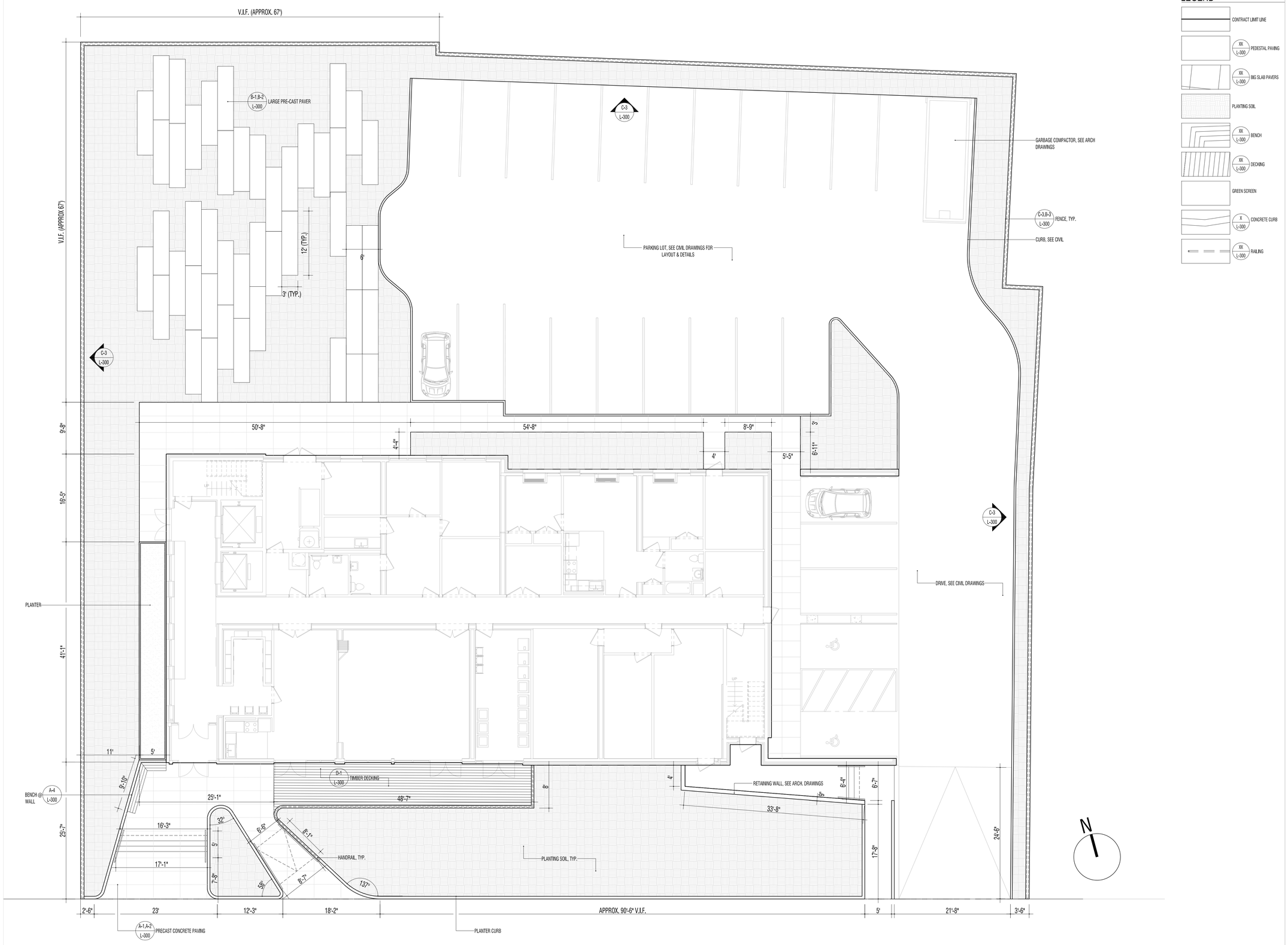
PHOTOGRAPHS



TP-7. Groundwater at 8’. Bedrock at 12’.

APPENDIX H

Site Plans



L U D L O W S T R E E T

LEGEND

- CONTRACT LIMIT LINE
- XX / L-300 — PEDESTAL PAVING
- XX / L-300 — BIG SLAB PAVERS
- PLANTING SOIL
- XX / L-300 — BENCH
- XX / L-300 — DECKING
- GREEN SCREEN
- X / L-300 — CONCRETE CURB
- XX / L-300 — RAILING

Project Title:

LUDLOW COMMONS

7 Ludlow St Yonkers, NY

Clients:

85 Exective Boulevard, Elmsford, NY10523
Tel 914.345.2800 Fax 914.345.3139
www.westhab.org

Key Plan:

Issued:

NUMBER	DATE	DESCRIPTION
1	01-04-13	HCR SUBMISSION
2	02-27-13	DOB SUBMISSION
3	02-28-13	HUD SUBMISSION
4	10-01-13	DOB SUBMISSION
5	10-22-13	PLANNING BOARD SUBMISSION

Revisions:

Architect of Record:

Magnusson Architecture & Planning PC
853 Broadway Suite 800, New York, NY
Tel 212.253.7620 Fax 212.253.1276

Structural Engineer:

GACE
31 West 27th Street, New York, NY 10001
Tel (212) 545-7878

MEP Engineer:

Ettinger Engineering Associates
505 Eighth Avenue, 24th floor
New York, NY 10018
Tel: (212) 244-2410

Landscape Architect:

Terrain-NYC
200 Park Avenue South, Suite 1401
New York, NY 10003
Tel: (212) 537-6080 Fax: (212) 537-6079

Civil Engineer:

Filing Representative:

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Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract Documents.
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Seal:



Drawing Title:

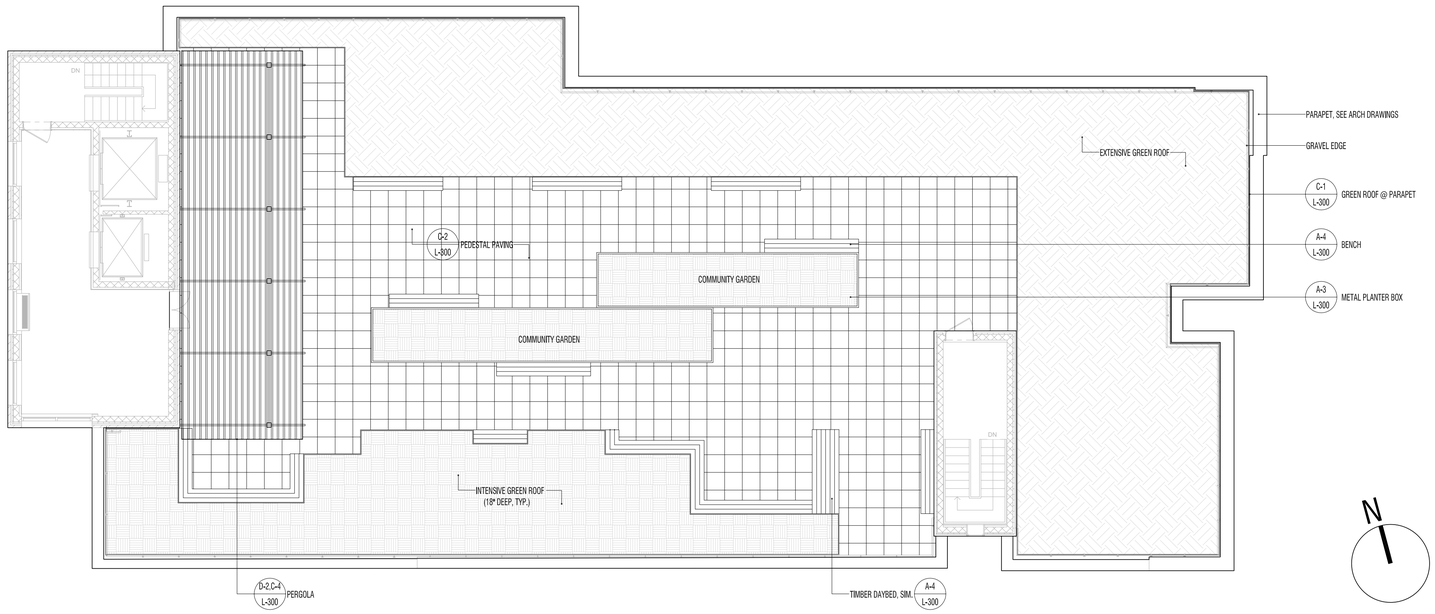
Site Plan Layout & Materials

Project Number:	08021
Date:	10-23-2013
Scale:	1/8" = 1'-0"
Drawn By:	SG
Checked By:	ST

Drawing #:

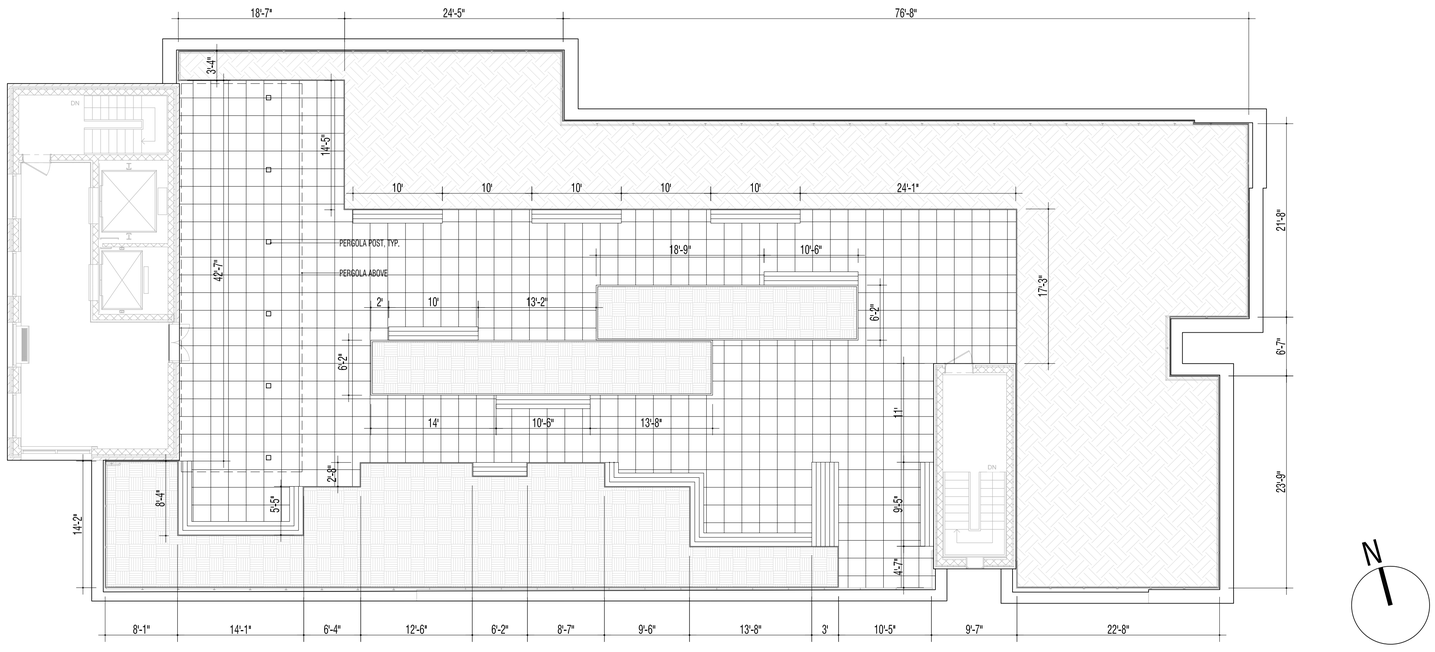
L-100

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01 MATERIALS PLAN

1/8" = 1'-0"



02 LAYOUT PLAN

1/8" = 1'-0"

LEGEND

- CONTRACT LIMIT LINE
- XX L-300 PEDESTAL PAVING
- XX L-300 BIG SLAB PAVERS
- PLANTING SOIL
- XX L-300 BENCH
- XX L-300 DECKING
- GREEN SCREEN
- X L-300 CONCRETE CURB
- XX L-300 RAILING

Project Title:

LUDLOW COMMONS

7 Ludlow St Yonkers, NY

Clients:

85 Exective Boulevard, Elmsford, NY10523
Tel 914.345.2800 Fax 914.345.3139
www.westhab.org

Key Plan:

Issued:

NUMBER	DATE	DESCRIPTION
1	01-04-13	HCR SUBMISSION
2	02-27-13	DOB SUBMISSION
3	02-28-13	HUD SUBMISSION
4	10-01-13	DOB SUBMISSION
5	10-22-13	PLANNING BOARD SUBMISSION

Revisions:

Architect of Record:

Magnusson Architecture & Planning PC
853 Broadway Suite 800, New York, NY
Tel 212.253.7620 Fax 212.253.1276

Structural Engineer:

GACE
31 West 27th Street, New York, NY 10001
Tel (212) 545-7878

MEP Engineer:

Ettinger Engineering Associates
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New York, NY 10018
Tel: (212) 244-2410

Landscape Architect:

Terrain-NYC
200 Park Avenue South, Suite 1401
New York, NY 10003
Tel: (212) 537-6080 Fax: (212) 537-6079

Civil Engineer:

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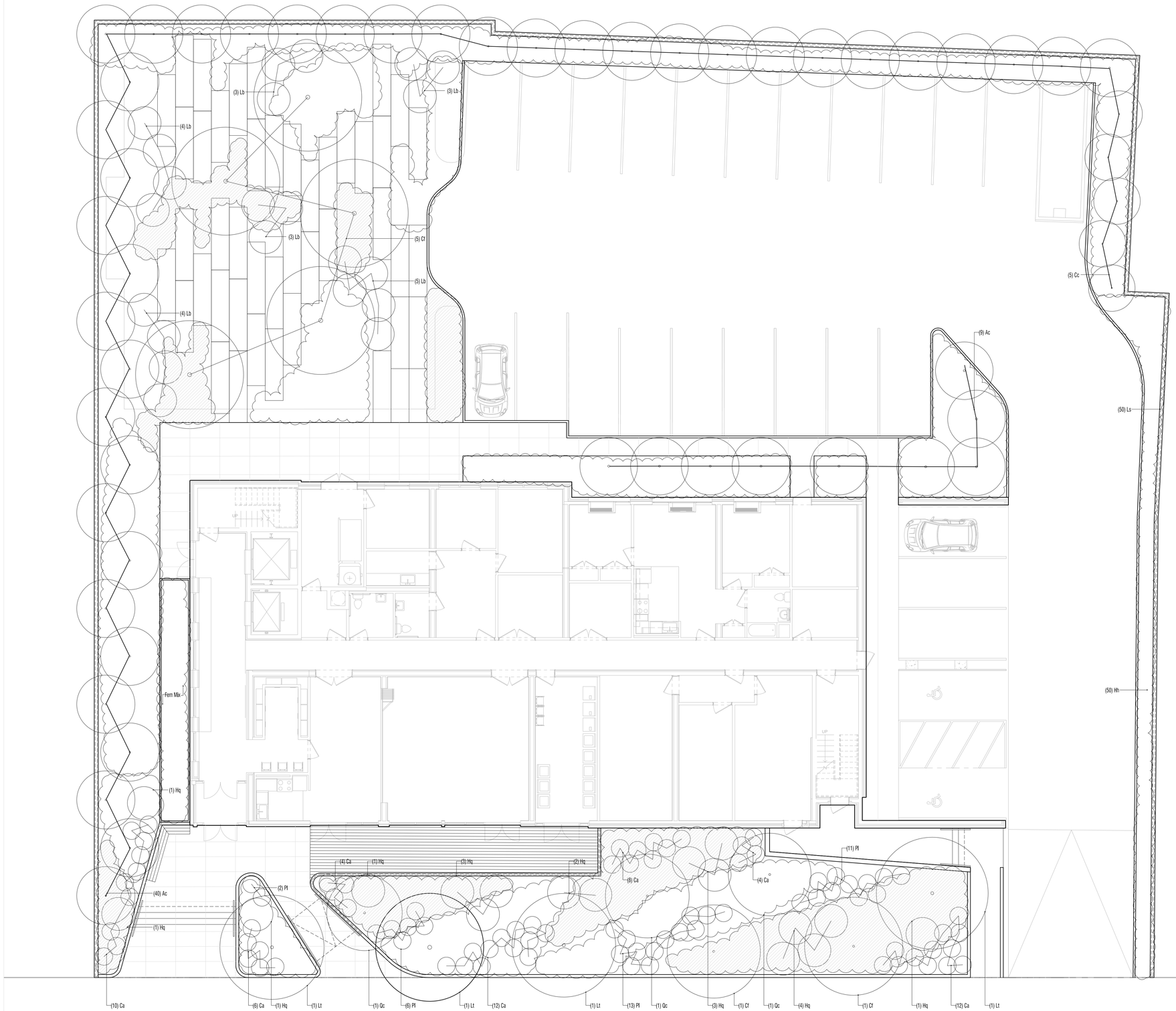


Drawing Title:

Roof Plan Layout & Materials

Project Number:	08021		
Date:	10-23-2013	Drawing #:	L-101
Scale:	1/8" = 1'-0"		
Drawn By:	SG		
Checked By:	ST		

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LEGEND

- CONTRACT LIMIT LINE
- TREE
- SHRUB
- PLANTING MIX A
- PLANTING MIX B

Project Title:

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7 Ludlow St Yonkers, NY

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Seal:



Drawing Title:

Site Plan Planting

Project Number:	08021
Date:	10-23-2013
Scale:	1/8" = 1'-0"
Drawn By:	SG
Checked By:	ST

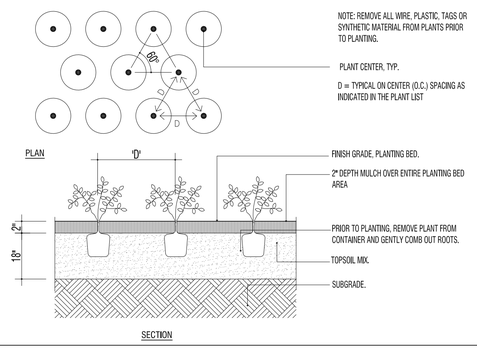
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L-200

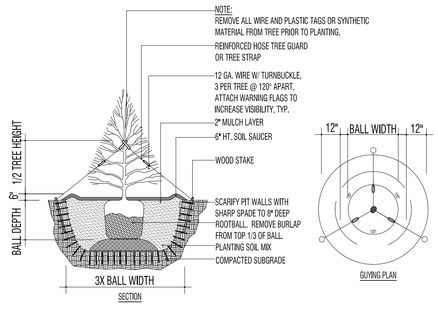
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PLANTING SCHEDULE - Ludlow Commons								
TREES								
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**NOTES**
Ac	Amelanchier canadensis	Downy Serviceberry	48	8'-10' Ht	Cont.	as noted	part sun / sun	LA to select in nursery
Cc	Carpinus caroliniana	American Hornbeam	5	10'-12 Ht	B&B	as noted	part sun / sun	LA to select in nursery
Cf	Cornus florida	Flowering Dogwood	7	10'-12' Ht	B&B	as noted	part sun / sun	LA to select in nursery
Lt	Liriodendron tulipifera	Tulip Poplar	4	12'-14' Ht	B&B	as noted	part sun / sun	LA to select in nursery
Qc	Quercus coccinea	Scarlet Oak	2	12'-14' Ht	B&B	as noted	part sun / sun	LA to select in nursery
SHRUBS								
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**NOTES**
Ca	Clethra alnifolia	Sweet Pepperbush	56	3-4' Ht	Cont.	as noted	part sun / sun	LA to select in nursery
Hq	Hydrangea quercifolia	Oakleaf Hydrangea	15	4-5' Ht	Cont.	as noted	part sun / sun	LA to select in nursery
Lb	Lindera benzoin	Spicebush	18	3-4' Ht	Cont.	as noted	part sun / sun	LA to select in nursery
Pl	Prunus laurocerasus	Cherry Laurel	32	3-4' Ht	Cont.	as noted	part sun / sun	LA to select in nursery
VINES								
Lv	Lonicera sempervirens	Coral Honeysuckle	50	1 Gal	Cont.	30" OC		Plant along mesh fence
Hh	Hedera helix 'Caenwoodiana'	Bird's Foot Ivy	50	1 Gal	Pot	24" OC	part-full shade	Plant along mesh fence
FERN MIX								
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**NOTES**
Di	Dryopteris intermedia	Intermediate Wood Fern	60	1 Gal	Cont.	15" OC	part sun/shade	
Ms	Matteuccia struthiopteris	Ostrich Fern	15	1 Gal	Cont.	15" OC	part sun/shade	
Pa	Polystichum acrostichoides	Christmas Fern	40	1 Gal	Cont.	15" OC	part sun/shade	
PLANTING MIX A								
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**NOTES**
Pv	Panicum virgatum	Switchgrass	600	2 Gal	Cont.	15" OC	part sun / sun	
Av	Andropogon virginicus	Broomsedge Bluestem	500	1 Gal	Cont.	15" OC	part sun / sun	
Cd	Carex divulsa	Grassland Sedge	500	1 Gal	Cont.	12" OC	part sun / sun	
Fg	Festuca glauca (small cultivar)	Blue Fescue	100	2 Gal	Cont.	15" OC	part sun / sun	
PLANTING MIX B								
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**NOTES**
Pp	Pachysandra procumbens	Native Pachysandra	3500	1 Qt.	Cont.	8" OC	part sun / sun	
Sh	Sarcococca hookeriana 'Dignya'	Christmas sweetbox	100	2 Gal	Cont.	15" OC	part sun / sun	
Ti	Tiarella cordifolia	Foamflower	300	2 Gal	Cont.	12" OC	part sun / sun	

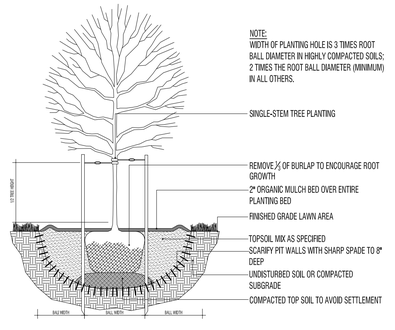
C-2 PLANTING SCHEDULE
NTS



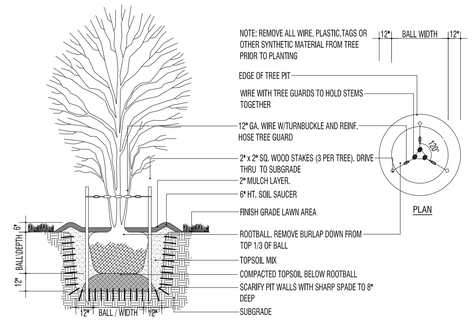
C-1 PERRENIAL PLANTING
1"=1'-0"



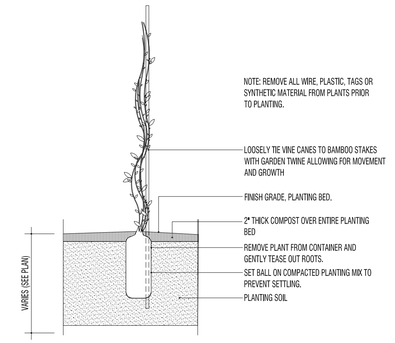
B-1 EVERGREEN TREE PLANTING
1/4"=1'-0"



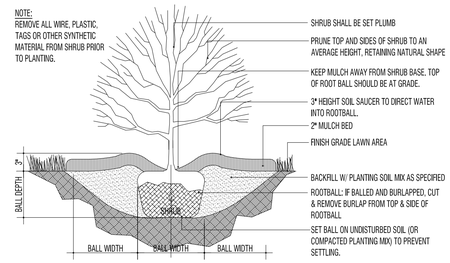
A-1 DECIDUOUS TREE SINGLE STEM PLANTING
1/4"=1'



A-4 MULTI-STEM TREE PLANTING
1/4"=1'-0"



A-3 VINE PLANTING
1"=1'-0"



A-2 SHRUB PLANTING
1"=1'-0"

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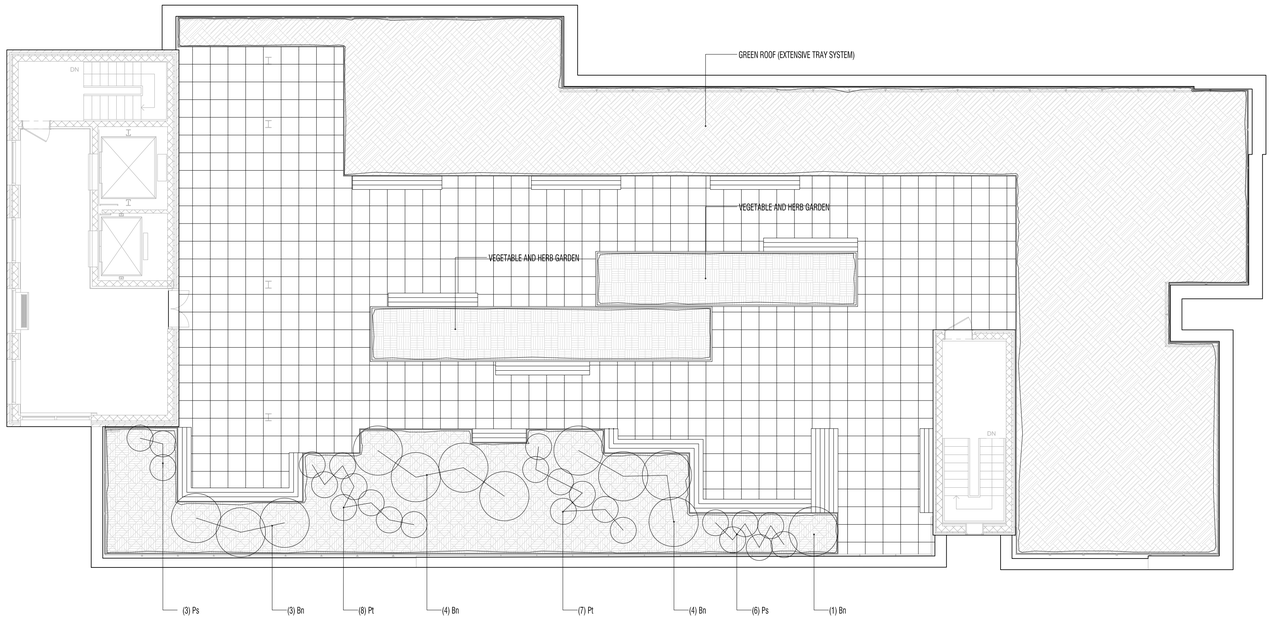


Drawing Title:

PLANTING SCHEDULE & DETAILS

Project Number:	08021		
Date:	10-21-13	Drawing #:	L-201
Scale:	VARIES		
Drawn By:	SG		
Checked By:	ST		

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LEGEND

CONTRACT LIMIT LINE
TREE
SHRUB
EXTENSIVE GREEN ROOF
INTESIVE GREEN ROOF
VEGETABLE GARDEN

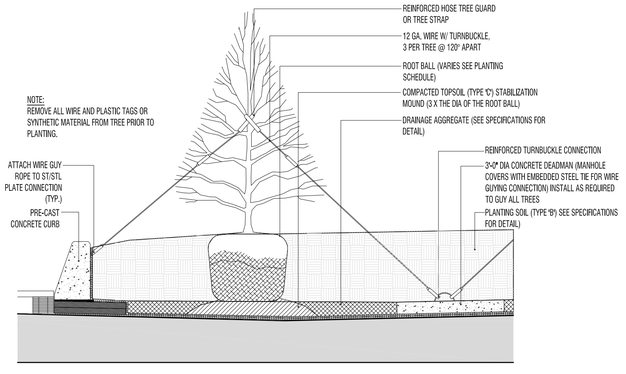
C-2 ROOF PLANTING PLAN

1/8" = 1'-0"

GREEN ROOF PLANTING SCHEDULE - Ludlow Commons									
TREES & SHRUBS									
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**FN SZ/HT**	**NOTES**
Bn	Betula nigra	River Birch	12	6-8' Ht	cont.	as noted	sun/ free draining	12'-14'	Match specimens
Ps	Pinus sylvestris	Scots Pine	9	4-6' Ht	cont.	as noted	sun/ free draining	8'-10'	Match specimens
Pt	Pinus thunbergii	Thunderhead Pine	15	4-6' Ht	cont.	as noted	sun/ free draining	8'-10'	Match specimens
INTENSIVE GREEN ROOF									
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**FN SZ/HT**	**NOTES**
Cp	Carex pennsylvanica	Pennsylvanica sedge	100	1 GAL	cont.	16" OC	sun/ free draining	6"-24" Ht	Match specimens
Df	Deschampsia flexuosa	Common hairgrass	80	1 GAL	cont.	24" OC	sun/ free draining	24"-36" Ht	Match specimens
Es	Eragrostis spectibilis	Purple lovegrass	35	1 GAL	cont.	18" OC	sun/ free draining	18"-24" Ht	Match specimens
Fe	Festuca 'Elijah Blue'	Blue fescue	50	1 GAL	cont.	10" OC	sun/ free draining	3'-6'	Match specimens
Pv	Panicum virgatum	Switchgrass	80	1 GAL	cont.	15" O.C.	sun/ free draining	24"-36" Ht	Match specimens
Sc	Sesleria caerula	Blue Moor Grass	50	1 GAL	cont.	9" OC	sun/ free draining	6"-12" Ht	Match specimens
Ss	Schizachyrium scoparium	Little bluestem	100	1 GAL	cont.	24" OC	sun/ free draining	24"-36" Ht	Match specimens
EXTENSIVE GREEN ROOF									
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**FN SZ/HT**	**NOTES**
Sg	Sedum spurium 'summer glory'	summer glory stonecrop	700	plug		6" OC	sun/ free draining	4"-6" Ht	Match specimens
Sm	Sedum middendorffiana var. diffusum		700	plug		6" OC	sun/ free draining	4"-6" Ht	Match specimens
Sma	Sedum 'matrona'	Showy Stonecrop	44	1 Gal	cont.	15" OC	sun/ free draining	4"-6" Ht	Match specimens
Ss	Sedum sexangulare	watchchain stonecrop	700	plug		6" OC	sun/ free draining	4"-6" Ht	Match specimens
Ssp	Sedum spectabile	Showy Stonecrop	44	1 Gal	cont.	15" OC	sun/ free draining	4"-6" Ht	Match specimens
St	Sedum temantium	Sedum	700	plug		12" OC	sun/ free draining	12" Ht	Match specimens
Stel	Sedum telephenoidies	Sedum	700	plug		12" OC	sun/ free draining	12" Ht	Match specimens
Sv	Sedum spurium 'voodoo'	voodoo stonecrop	700	plug		6" OC	sun/ free draining	4"-6" Ht	Match specimens
VEGETABLES & HERBS									
SYM	**BOTANICAL NAME**	**COMMON NAME**	**QTY**	**SIZE**	**ROOT**	**SPACING**	**LIGHT/SOIL**	**FN SZ/HT**	**NOTES**
Ca	Capsicum annuum	Bell Pepper	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Cp	Cucurbita pepo	Zucchini	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Dc	Daucus carota	Carrot	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Lo	Lathyrus odoratus	Sweet Pea	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Lt	Latuca sativa	Lettuce	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Ov	Origanum vulgare	Oregano	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Pv	Phaseolus vulgaris	String Bean	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Ro	Rosmarinus officinalis	Rosemary	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Sl	Solanum lycopsicum	Vine Tomato	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	
Tv	Thymus vulgaris	Thyme	35	1 Qt.	Cont.	12" OC	part sun / sun	12" Ht	

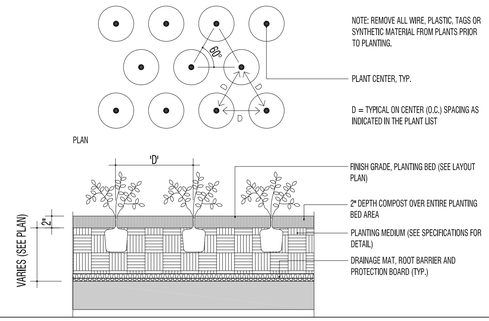
C-1 ROOF PLANTING SCHEDULE

NTS



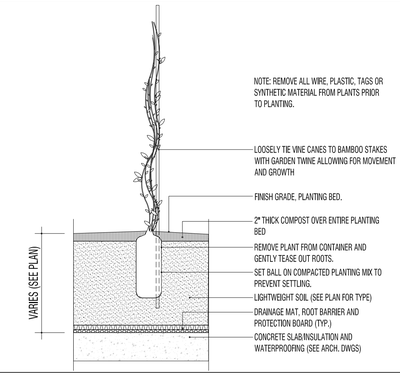
B-1 EVERGREEN SHRUB ON STRUCTURE

1/2"=1'-0"



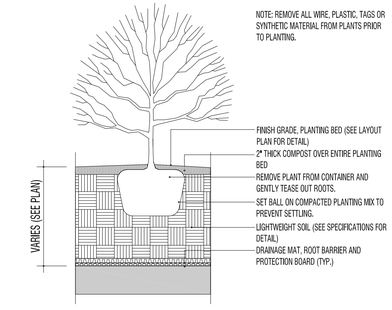
A-4 PERENNIALS ON STRUCTURE

1"=1'-0"



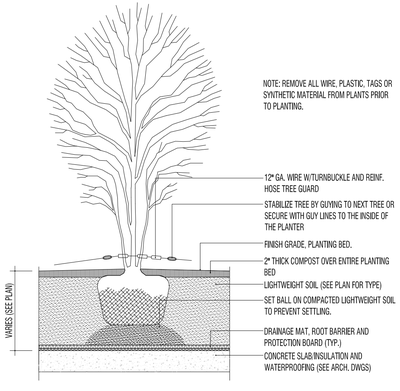
A-3 VINES ON STRUCTURE

1"=1'-0"



A-2 DECIDUOUS TREE ON STRUCTURE

1"=1'-0"



A-1 DECIDUOUS TREE ON STRUCTURE

3/4"=1'-0"

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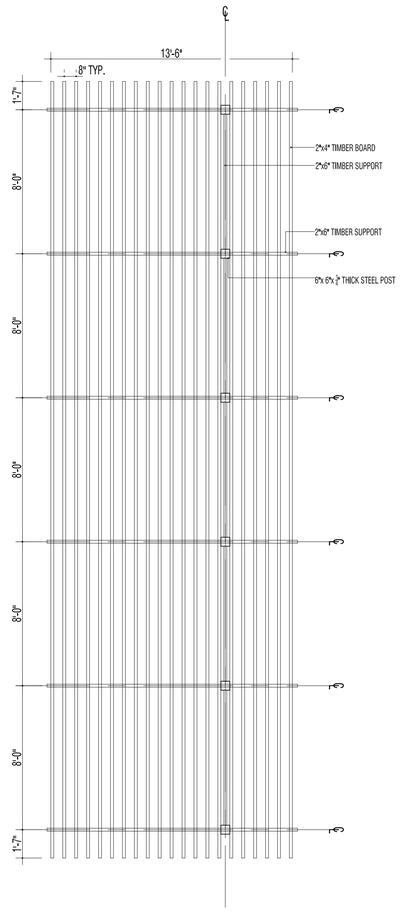
ROOF PLANTING PLAN & DETAILS

Project Number:	08021
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Scale:	VARIES
Drawn By:	SG
Checked By:	ST

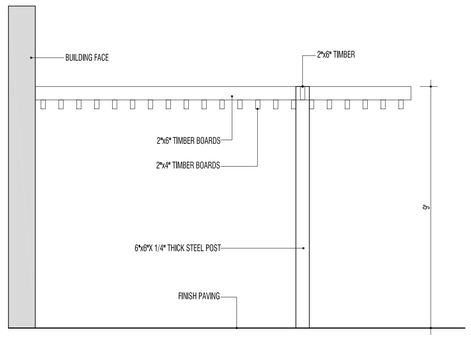
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L-202

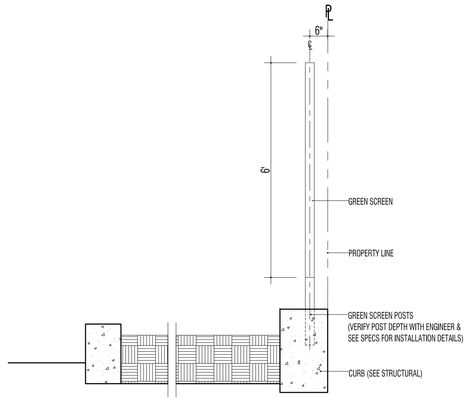
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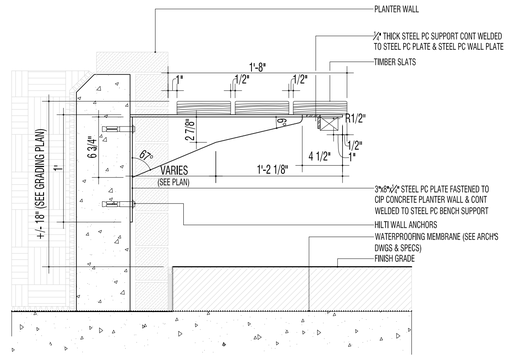
C-4 PERGOLA SECTION
3/8"=1'-0"

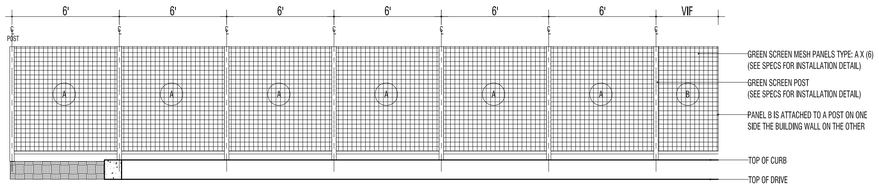


B-3 FENCE SECTION
1/2"=1'-0"

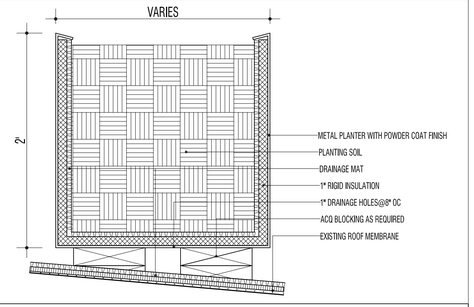


A-4 BENCH @ WALL
1-1/2"=1'-0"



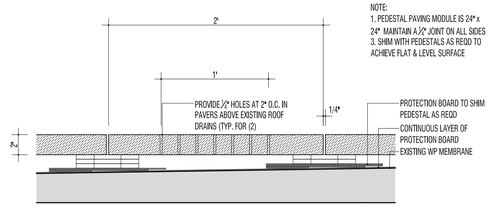


C-3 TYPICAL FENCE ELEVATION
1/4"=1'-0"

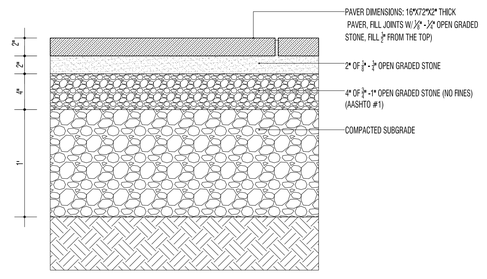


A-3 METAL PLANTER
1-1/2"=1'-0"

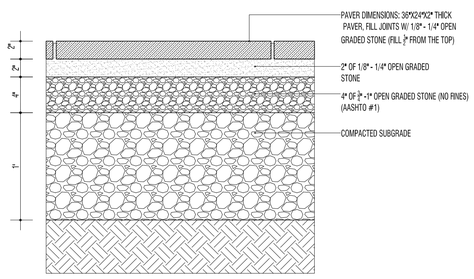
D-2 PERGOLA PLAN
1/4"=1'-0"



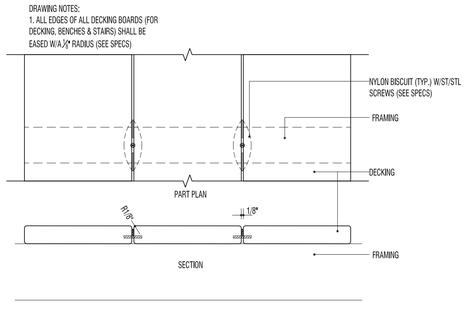
C-2 PEDESTAL PAVING
1-1/2"=1'-0"



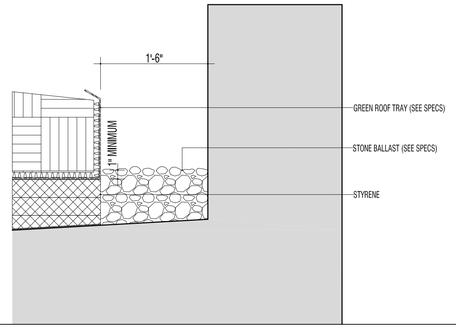
B-2 LARGE PRECAST PAVER SECTION
1-1/2"=1'-0"



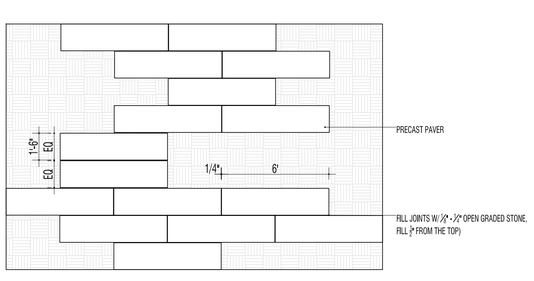
A-2 PRECAST PAVER SECTION
1-1/2"=1'-0"



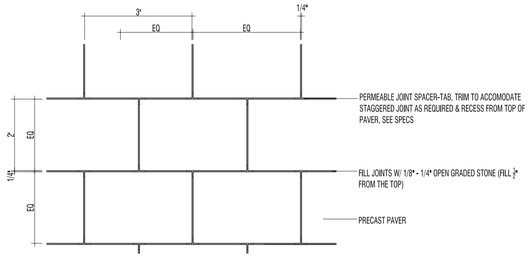
D-1 DECKING CONNECTIONS
1-1/2"=1'-0"



C-1 STONE BALLAST @ GREEN ROOF
1-1/2"=1'-0"



B-1 LARGE PRECAST PAVER PLAN
1/4"=1'-0"



A-1 PRECAST PAVER PLAN
1/2"=1'-0"

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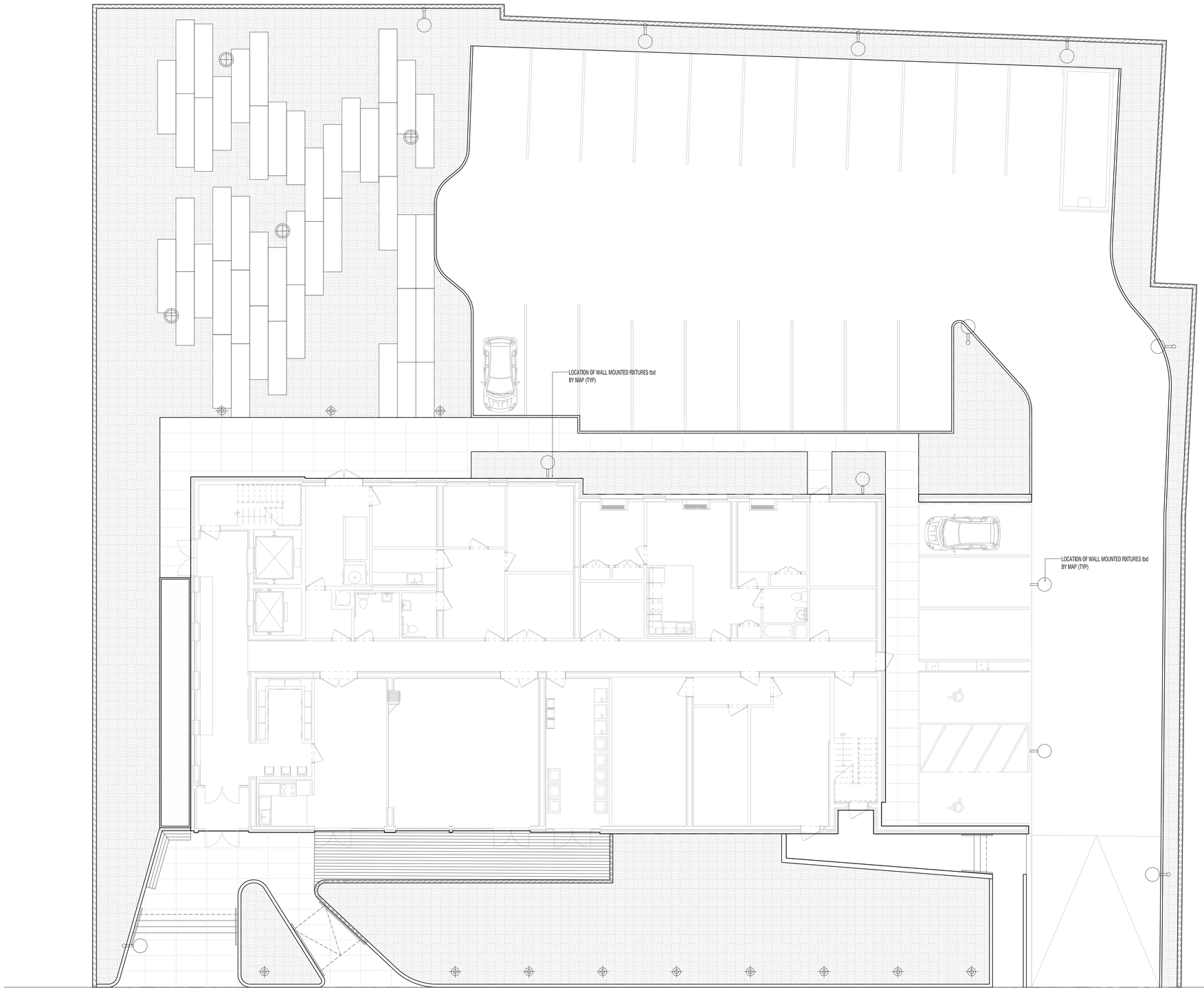
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Drawn By:	SG
Checked By:	ST

Drawing #: L-300

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L-400 LIGHTING/IRRIGATION PLAN

LEGEND

FIXTURE TYPE: 'A' LP ICON MINI POST

FIXTURE TYPE: 'B' LP ICON MINI WALL MOUNT

FIXTURE TYPE: 'C' BOLLARD-200X

FIXTURE TYPE: 'D' BOLLARD-703.2800

FIXTURE TYPE: 'E' STEP LIGHT

FIXTURE TYPE: 'F' BENCH LED STRIP LIGHT

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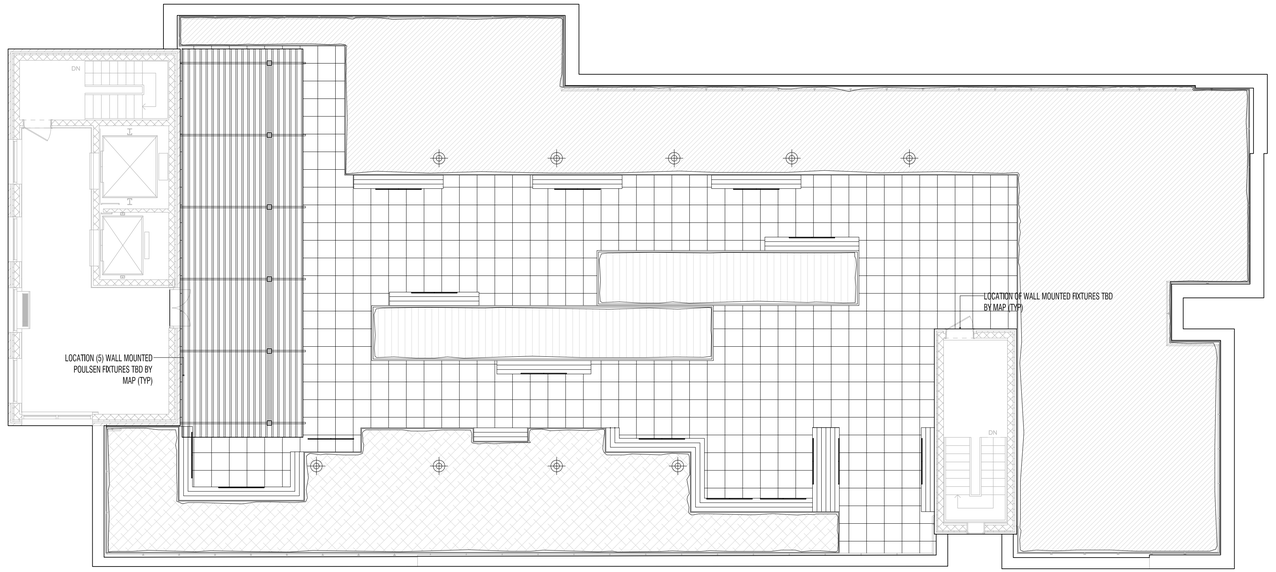
Site Lighting Plan

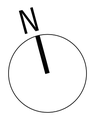
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Checked By:	ST

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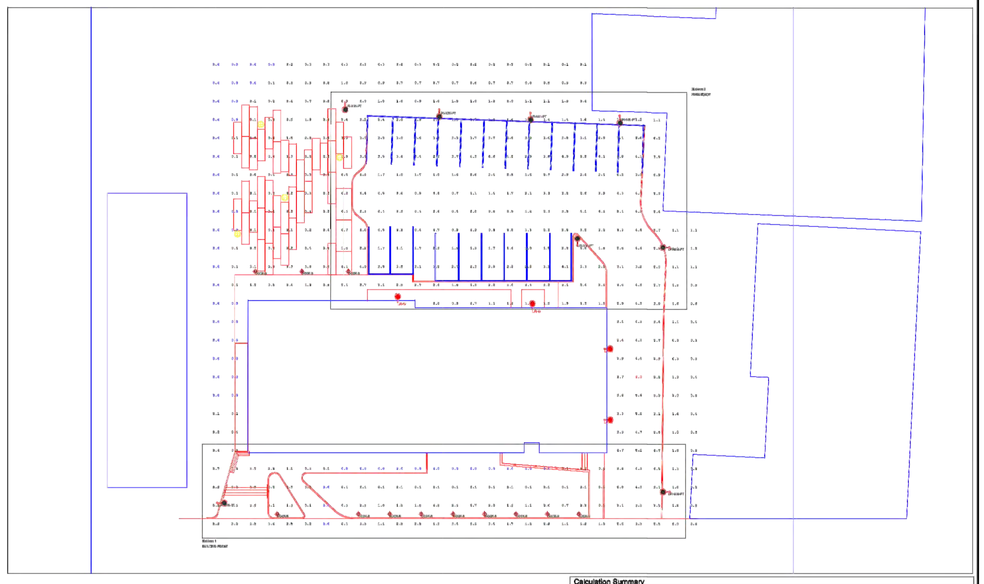
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TARGETTI POULSEN

PROJECT NAME: Ludlow Commons	REPORT NUMBER: AGI1606	BY: LP	Date: 10/22/13



Calculation Summary										
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	PtSpcLr	PtSpcTb
Object_Top	Illuminance	Fc	1.89	6.0	0.0	N.A.	N.A.	7	7
StatArea 1	Illuminance	Fc	1.45	5.2	0.0	N.A.	N.A.		
StatArea 2	Illuminance	Fc	2.25	5.2	0.2	11.26	26.00		

Luminaire Schedule

Description	Symbol	Label	Qty	Lum. Watts	Total Lamp Lumens	Lum. Lumens	LLF	MH
LPI-MIN-PT/ LED 57W/NAT PAINT ALUM/T3/BASIC/SRA/HSS		LPI-MIN-PT	8	54	4765	4763	0.850	14.0'
DOCK-B/1-26W-GX24Q-3/NAT PAINT ALU		DOCK-B	12	26	1800	499	0.720	0.0'
LPI-W/ LED 57W/NAT PAINT ALUM/T3/BASIC		LPI-W	4	54	4765	4763	0.850	14.0'

LEGEND

FIXTURE TYPE: 'A' LP ICON MINI POST

FIXTURE TYPE: 'B' LP ICON MINI WALL MOUNT

FIXTURE TYPE: 'C' BOLLARD -DOCK

FIXTURE TYPE: 'D' BOLLARD -TOLDBOD

FIXTURE TYPE: 'E' STEP LIGHT

FIXTURE TYPE: 'P' BENCH LED STRIP LIGHT



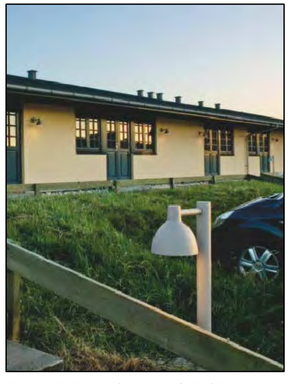
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FIXTURE TYPE: 'B' LP ICON MINI WALL MOUNT



FIXTURE TYPE: 'A' LP ICON MINI POST



FIXTURE TYPE: 'D' BOLLARD -TOLDBOD



FIXTURE TYPE: 'C' BOLLARD -DOCK

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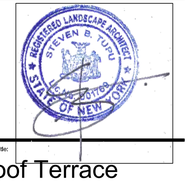
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APPENDIX I

DUSR

Data Usability Summary Report

Ludlow Street ESI File WY07054.50
Yonkers, New York

Soil and Groundwater Samples
Collected June-August 2014

September 2014

ZDATAREPORTS
Data Management and Validation Services
118 Rose Lane Terrace, Syracuse, NY 13219, (716) 907-2341

Data Usability Summary Report

Soil and Groundwater Samples
Collected June 2014

Ludlow Street ESI File WY07054.50
Yonkers, New York

Prepared By:

ZDataReports
Data Management and Validation Service
118 Rose Lane Terrace
Syracuse, New York 13219

EXECUTIVE SUMMARY

This report addresses data quality for soil and groundwater samples collected at the 7-17 Ludlow Street Site ESI File WY07054.50 located in Yonkers, New York. The samples were analyzed for volatile organics (VOCs), semivolatile organics (SVOCs), pesticides/polychlorinated biphenyls (Pest/PCBs), and inorganics (Metals including mercury and total cyanide) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by Ecosystems Strategies, Inc. of Poughkeepsie, New York. Analytical services were provided by York Analytical Laboratories, Inc. located in Stratford, Connecticut.

The inorganics analysis data have been determined to be usable for qualitative and quantitative purposes with qualification. Sample results for several analytes were qualified based on deviations from matrix spike analysis criteria.

The volatile organics analysis data were determined to be usable for qualitative and quantitative purposes with the exception of Acetone which was rejected in samples TP-1 0-2", TP-1 8.5', TP-2 0-2", TP-2 5', TP-3 0-2", TP-3 8.5', TP-4 0-2", TP-4 8.5', TP-5 0-2", TP-5 5', TP-6 0-2", TP-6 4', TP-7 0-2" and TP-7 8' do continuing calibration criteria deviations and Dibromochlormethane which was rejected in samples 3B-1 2", 3B-1 8.5', 3B-2 2", 3B-2 8.5', 3B-2 18", 3B-3 2", 3B-3 15', 3B-4 2" and 3B-4 8.5' due to continuing calibration, laboratory control sample and matrix spike control sample deviations. Sample results for several compounds were also qualified based on deviations from initial calibration and continuing calibration criteria.

The semivolatile organics analysis data were determined to be usable for all samples. Sample results for several compounds were also qualified based on deviations from initial calibration and continuing calibration criteria.

The pesticides/PCBs analyses data were determined to be usable for qualitative and quantitative purposes as reported. Sample results for several compounds were also qualified based on deviations from surrogate and laboratory control sample criteria.

TABLE of CONTENTS

SECTION 1 - INTRODUCTION 1
1.1 Introduction 1
1.2 Analytical Methods 2
1.3 Validation Protocols 2
1.3.1 Inorganic Parameters 3
1.3.2 Organic Parameters 3
SECTION 2 - DATA VALIDATION SUMMARY 5
2.1 Inorganics Analysis 5
2.2 Volatiles Analysis 6
2.3 Semivolatiles Analysis 9
2.4 Pesticides/PCBs Analyses 13
3.1 Data Usability 14
3.2 PARCC Evaluation 14
3.2.1 Precision 14
3.2.2 Accuracy 14
3.2.3 Representativeness 15
3.2.4 Comparability 15
3.2.5 Completeness 15

Appendices

Appendix A - Data Validation Checklists

SECTION 1 - INTRODUCTION

1.1 Introduction

This report addresses data quality for soil and groundwater samples collected at the 7-17 Ludlow Street Site ESI File WY07054.50 located in Yonkers, New York. The samples were analyzed for volatile organics (VOCs), semivolatile organics (SVOCs), polychlorinated biphenyls (PCBs), organochlorine pesticides (Pesticides), and inorganics (Metals including mercury) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies.. Sample collection was performed by Ecosystems Strategies, Inc. of Poughkeepsie, New York. Analytical services were provided by York Analytical Laboratories, Inc. located in Stratford, Connecticut. The quantity and types of samples submitted for data validation are tabulated below.

Table 1: Introduction - Sample Summary Table

SDG#	Date Collected	Matrix	Sample Identification	
			Client ID	Laboratory ID
14F0505	06/10/2014	Soil	TP-1 0-2”	14F0505-01
			TP-1 8.5’	14F0505-02
			TP-2 0-2”	14F0505-03
			TP-2 5’	14F0505-04
			TP-3 0-2”	14F0505-05
			TP-3 8.5’	14F0505-06
			TP-4 0-2”	14F0505-07
			TP-4 8.5’	14F0505-08
			TP-5 0-2”	14F0505-09
			TP-5 5’	14F0505-10
			TP-6 0-2”	14F0505-11
			TP-6 4’	14F0505-12
			TP-7 0-2”	14F0505-13
			TP-7 8’	14F0505-14
14G0147	07/01/2014	Soil	3B-1 2”	14G0147-01
			3B-1 8.5’	14G0147-02
			3B-2 2”	14G0147-03
			3B-2 8.5’	14G0147-04
			3B-2 18”	14G0147-05
			3B-3 2”	14G0147-06
			3B-3 15’	14G0147-07
			3B-4 2”	14G0147-08
			3B-4 8.5’	14G0147-09
14H1092	08/27/2014	Soil	3HB-1 2”	14H1092-01
			3HB-1 8.5’	14H1092-02
			3HB-2 6-8’	14H1092-03
			3HB-3 2”	14H1092-04
			3HB-3 8.5’	14H1092-05
		Groundwater	3MW-1	14H1092-06
			3MW-2	14H1092-07
			MW-A	14H1092-08
			TRIP BLANK	14H1092-09

1.2 Analytical Methods

The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies (2005 update). Laboratory analyses were provided by York Analytical Laboratories, Inc. located in Stratford, Connecticut.

1.3 Validation Protocols

Data validation is a process that involves the evaluation of analytical data against prescribed quality control criteria to determine the usefulness of the data. The analytical data addressed in this report were evaluated utilizing the quality control criteria presented in the following documents:

- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, USEPA-540-R-08-01, June 2008.
- *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review*, USEPA-540-R-10-011, January 2010.
- *CLP Organics Data Review and Preliminary Review*, SOP No. HW-6 Revision #14, USEPA Region II, September 2006.
- *Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO5.3*, SOP No. HW-2, Revision #13, USEPA Region II, September 2006.
- *Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8260B*, SOP No. HW-24 Revision #2, USEPA Hazardous Waste Support Branch, August 2008.
- *Validating Semivolatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8270D*, SOP No. HW-22 Revision #4, USEPA Hazardous Waste Support Branch, August 2008.
- *Validating PCB Compounds by Gas Chromatography SW-846 Method 8082A,* SOP No. HW-45 Revision #1, USEPA Hazardous Waste Support Branch, October 2006.
- *Validating Pesticide Compounds, Organochlorine Pesticides by Gas Chromatography SW-846 Method 8081B,* SOP No. HW-44 Revision #1, USEPA Hazardous Waste Support Branch, October 2006.
- *Exhibit E of New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP)*, NYSDEC June 2005.

1.3.1 Inorganic Parameters

The validation of inorganics for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

1. Holding Times
2. Calibration
   a. Initial Calibration Verification
   b. Continuing Calibration Verification
3. Blank Analysis
4. ICP Interference Check Sample Analysis (ICP only)
5. Matrix Spike Analysis
6. Laboratory Duplicate Analysis
7. Laboratory Control Sample Analysis
8. ICP Serial Dilution Analysis (ICP only)
9. Furnace Atomic Absorption Analysis
10. Method of Standard Addition Results
11. Field Blanks
12. Element Quantification and Reported Detection Limits
13. Document Completeness
14. Overall Data Assessment

1.3.2 Organic Parameters

The validation of organic parameters for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

Volatile and Semivolatile Organics Analyses

1. Holding Times
2. GC/MS Instrument Tuning Criteria
3. Calibration
   a. Initial Calibration
   b. Continuing Calibration
4. Blank Analysis
5. Surrogate Recovery
6. Matrix Spike / Matrix Spike Duplicate Analysis
7. Reference Standard Analysis
8. Internal Standards Recovery
9. Compound Identification and Quantification
10. Field Duplicate Analysis
11. System Performance
12. Documentation Completeness
13. Overall Data Assessment

Pesticides and PCBs Analyses

1. Holding Times
2. Instrument Performance
   a. Standards Retention Time Windows
   b. DCBP Retention Time Shift
   c. Baseline Stability
   d. Chromatographic Resolution
3. Calibration
   a. Initial Calibration
   b. Analytical Sequence Verification
   c. Continuing Calibration Verification
4. Blank Analysis
5. Surrogate Recovery
6. Matrix Spike/Matrix Spike Duplicate Analysis
7. Reference Standard Analysis
8. Compound Identification and Quantification
9. Documentation Completeness
10. Overall Data Assessment

1.4 Data Qualifiers

The following qualifiers as specified in the guidance documents presented in Section 1.3 of this report have been used for this data validation.

U — Indicates that the compound was analyzed for, but was not detected. The sample quantification limit is presented and adjusted for dilution. This qualifier is also used to signify that the detection limit of an analyte was raised due to blank contamination.

J — Indicates that the result should be considered approximate. This qualifier is used when the data validation procedure identifies a deficiency in the data generation process.

UJ — Indicates that the detection limit for the analyte in this sample should be considered approximate. This qualifier is used when the data validation process identifies a deficiency in the data generation process.

R — Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data are considered to be unusable for both qualitative and quantitative purposes.

The following sections of this document present a summary of the data validation process. Section 2 discusses data compliance with established QA/QC criteria and qualifications performed on the sample data. A discussion of the Precision, Accuracy, Representativeness, Comparability, and Completeness (PARCC) of the data and data usability are discussed in Section 3. The USEPA Region II Data Validation Checklists are presented in Appendix A.

SECTION 2 - DATA VALIDATION SUMMARY

This section presents a discussion of QA/QC parameter compliance with established criteria and the qualification of data performed when QA/QC parameter deviations were identified. When several deviations from established QA/QC criteria were observed, the final qualifier assigned to the data was based on the cumulative effect of the deviations.

2.1 Inorganics Analysis

Data validation was performed for eight soil samples and eight TCLP samples for inorganic parameters. The QA/QC parameters presented in Section 1.3.1 of this report were found to be within specified limits with the exception of the following:

Matrix Spike Analysis

Matrix spike (MS) recovery criteria requiring spike recoveries to be between 75 and 125 percent were exceeded for several analytes. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Detected results were rejected for analytes with spike recoveries greater than 200 percent. Qualification of sample data was not required when the non-spiked sample concentration was greater than four-times the spike solution concentration. Samples qualified due to MS recovery deviations are tabulated below.

Table 2: Inorganics Analysis - Matrix Spike Deviations

MS Sample ID	Inorganic	Percent Recovery	Qualifier	Affected Samples
3BH-3 8.5’	Iron Silver	24.6 % 64.8 %	J UJ	3HB-1 2” 3HB-1 8.5’ 3HB-3 2” 3HB-3 8.5’

Overall Data Assessment

Overall, the laboratory performed inorganics analyses in accordance with the requirements specified in the methods listed in Section 1.2 of this report. These data have been determined to be usable for qualitative and quantitative purposes with qualification. Sample results for several analytes were qualified based on deviations from matrix spike analysis criteria.

2.2 Volatiles Analysis

Data validation was performed for four soil samples and four TCLP samples. The QA/QC parameters presented in Section 1.3.2 of this report were found to be within specified limits with the exception of the following:

Blank Analysis

The method blanks contained detectable concentrations of methylene chloride, which is considered to be a common laboratory contaminant. Therefore, blank action levels were calculated at ten times the blank concentrations for these compounds. Detected sample results, which were less than the blank action levels were qualified with a "U" in the associated samples. Results that were detected below the contract required detection limit (CRDL) were raised to the CRDL and qualified with a "U" qualifier. The "U" qualifier indicates that the volatile organic was analyzed for but was not detected above the CRDL. Samples qualified for blank contamination are tabulated below.

Table 3: Volatile Organics Analyses - Blank Analysis Deviations

Blank Matrix	Compound	Blank Action Level	Associated Samples	Qualified Sample Result
Soil BF40739-BLK1	Acetone	120 ug/Kg	TP-1 8.5’ TP-2 0-2” TP-2 5’ TP-3 0-2” TP-3 8.5’ TP-4 0-2” TP-4 8.5’ TP-5 5’ TP-6 0-2”	34 U 38 U 25 U 39 U 30 U 59 U 21 U 120 J 47 U
Soil BG40228-BLK1	Naphthalene	13.5 ug/Kg	3B-2 8.5’ 3B-2 18”	18 J 12 U
Soil BH41567-BLK1	Acetone	45 ug/Kg	3HB-1 2” 3HB-3 2”	10 U 10 U
	Naphthalene	18.5 ug/Kg	3HB-1 2” 3HB-3 2”	10 U 10 U
Water BH41567-BLK1	Acetone	35 ug/L	3MW-2”	10 U
	Methylene Chloride	35 ug/L	3MW-2”	10 U
	Naphthalene	16 ug/L	3MW-2”	18 J

Initial Calibration

The initial calibration relative standard deviation (%RSD) limit, which requires the %RSD to be less than 30 percent, was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %RSD criteria were exceeded. Samples requiring qualification due to these deviations are tabulated below.

Table 4: Volatiles Organics Analyses – Initial Calibration Deviations

Date Analyzed	Compound	%RSD	Result Qualifier	Affected Samples
VOA4 08/26/2014	Acetone 1,2,4-Trichlorobenzene	38.2 % 31.9 %	UJ UJ	3HB-1 2” 3HB-1 8.5’ 3HB-3 2” 3HB-3 8.5’

Continuing Calibration

The continuing calibration percent difference (%D) limit, which requires the %D to be less than 25 percent, was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %D criteria were exceeded, but were less than 90 percent. Non-detected results were rejected (R) for compounds with %D values greater than 90 percent. Samples requiring qualification due to these deviations are tabulated below.

Table 5: Volatile Organics Analysis - Continuing Calibration Deviations

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
06/16/2014 (11:46) VOA No. 5	Vinyl Chloride Chloroethane Carbon Disulfide Acetone 2-Butanone	-32.5 % -40.7 % -35.5 % -137.3 % -79.5%	UJ UJ UJ R UJ	TP-1 0-2” TP-1 8.5’ TP-2 0-2” TP-2 5’ TP-3 0-2” TP-3 8.5’ TP-4 0-2” TP-4 8.5’ TP-5 0-2” TP-5 5’ TP-6 0-2” TP-6 4’ TP-7 0-2” TP-7 8’
07/07/2014 (22:04) VOA 2	Dibromochloromethane	93.3 %	R	3B-1 2” 3B-1 8.5’ 3B-2 2” 3B-2 8.5’ 3B-2 18” 3B-3 2” 3B-3 15’ 3B-4 2” 3B-4 8.5’
08/29/2014 (08:11) VOA 4	Dichlorodifluoromethane Bromomethane Acetone	28.0 % 46.8 % 52.8 %	UJ UJ UJ	3HB-1 2” 3HB-1 8.5’ 3HB-3 2” 3HB-3 8.5’
08/29/2014 (08:11) VOA 4	Dichlorodifluoromethane	31.2 %	UJ	3MW-1 3MW-2 MW-A TRIP BLANK

Laboratory Control Sample Analysis

Laboratory control sample (LCS) recovery criteria requiring recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample data included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Non-detected sample results were rejected (R) for compounds with recoveries that were less than 10 percent. Samples qualified due to LCS recovery deviations are tabulated below.

Table 6: Volatile Organics Analysis - Laboratory Control Sample Deviations

Matrix	Compound	Percent Recovery	Control Limits	Qualifier	Affected Samples
Soil BG4022	Dibromochloromethane	9.46 %/7.94 %	41 % to 141 %	R	3B-1 2” 3B-1 8.5’ 3B-2 2” 3B-2 8.5’ 3B-2 18” 3B-3 2” 3B-3 15’ 3B-4 2” 3B-4 8.5’

Matrix Spike Recovery

Matrix spike/matrix spike duplicate (MS/MSD) recovery criteria requiring compound recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Non-detected sample results were rejected (R) for compounds with recoveries less than 10 percent. Samples qualified due to MS/MSD recovery deviations are tabulated below.

Table 7: Volatile Organics Analysis - MS/MSD Analysis Deviations

MS/MSD Sample ID	Compound	Percent Recovery (MS/MSD)	Control Limits	Qualifier	Affected Samples
3B-4 8.5’	Dibromochloromethane	8.10 %/7.72 %	38 % to 131 %	R	3B-1 2” 3B-1 8.5’ 3B-2 2” 3B-2 8.5’ 3B-2 18” 3B-3 2” 3B-3 15’ 3B-4 2” 3B-4 8.5’

Overall Data Assessment

Overall, the laboratory performed volatile organics analyses in accordance with the requirements specified in the method listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes with the exception of 1.48 percent of the sample results for several compounds which were rejected due to deviations from continuing calibration, laboratory control sample and matrix spike criteria. Sample results for several compounds were qualified based on deviations from blank analysis, initial calibration, continuing calibration, laboratory control sample, surrogate recovery, and/or matrix spike criteria.

2.3 Semivolatiles Analysis

Data validation was performed for eight soil samples and eight TCLP samples. The QA/QC parameters presented in Section 1.3.2 of this report were found to be within specified limits with the exception of the following:

Laboratory Control Sample Analysis

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recovery criteria requiring compound recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Non-detected sample results were rejected (R) for compounds with recoveries less than 10 percent. Samples qualified due to LCS recovery deviations are tabulated below.

Table 8: Semivolatile Organics Analyses – Laboratory Control Sample Deviations

Matrix	Compound	Percent Recovery (LCS/LCSD)	Control Limits	Qualifier	Affected Samples
Soil	Benzoic Acid	0 %/0 %	10 % to 116 %	R	3HB-1 2”
	Bis(2-ethylhexyl)phthalate	0 %/0 %	14 % to 122 %	R	3HB-1 8.5’
	2,4-Dinitrophenol	0 %/0 %	10 % to 149 %	R	3HB-3 2”
					3HB-3 8.5’

Matrix Spike Recovery

Matrix spike/matrix spike duplicate (MS/MSD) recovery criteria requiring compound recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Non-detected sample results were rejected (R) for compounds with recoveries less than 10 percent. Samples qualified due to MS/MSD recovery deviations are tabulated below.

Table 9: Semivolatile Organics Analysis - MS/MSD Analysis Deviations

MS/MSD Sample ID	Compound	Percent Recovery (MS/MSD)	Control Limits	Qualifier	Affected Samples
3HB-3 8.5’	Benzoic Acid 4,6-Dinitro-2-methylphenol 2,4-Dinitrophenol	0 %/0 % 0 %/0 % 0 %/0 %	10 % to 130 % 10 % to 149 % 10 % to 132 %	R R R	3HB-1 2” 3HB-1 8.5’ 3HB-3 2” 3HB-3 8.5’

Initial Calibration

The initial calibration relative standard deviation (%RSD) limit, which requires the %RSD to be less than 30 percent, was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %RSD criteria were exceeded. Samples requiring qualification due to these deviations are tabulated below.

Table 10: Semivolatile Organics Analysis - Initial Calibration Deviations

Date Analyzed	Compound	%RSD	Result Qualifier	Affected Samples
06/17/2014 BNA#1	Benzoic Acid 2,4-Dinitrophenol	55.17 % 47.54 %	UJ UJ	3B-1 2” 3B-1 8.5’ 3B-2 2” 3B-2 8.5’ 3B-2 18” 3B-3 2” 3B-3 15’ 3B-4 2” 3B-4 8.5’
07/24/2014 BNA#1	Hexachlorocyclopentadiene Pentachlorophenol	48.0 % 43.6 %	UJ UJ	3HB-1 2” 3HB-1 8.5’ 3HB-3 2” 3HB-3 8.5’
08/26/2014 BNA#2	2,4-Dinitrophenol	33.7 %	UJ	3MW-1 3MW-2 MW-A

Continuing Calibration

The continuing calibration percent difference (%D) limit, which requires the %D to be less than 25 percent, was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %D criteria were exceeded, but were less than 90 percent. Samples requiring qualification due to these deviations are tabulated below.

Table 11: Semivolatile Organics Analysis - Continuing Calibration Deviations

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
07/10/2014 (15:19) BNA#1	Hexachlorocyclopentadiene	36.1 %	UJ	3B-1 2”
	2,4-Dinitrophenol	72.1 %	UJ	3B-1 8.5’
	4,6-Dinotro-2-methylphenol	51.7 %	UJ	3B-2 2”
	Bis(2-ethylhexyl)phthalate	-52.2 %	UJ	3B-2 8.5’
	3,3’-Dichlorobenzidine	-28.9 %	UJ	3B-2 18”
	Di-n-Octylphthalate	-27.9 %	UJ	3B-3 2”
				3B-3 15’
				3B-4 2”
				3B-4 8.5’
08/29/2014 (07:38) BNA#1	Bis(2-chloroisopropyl) ether	-44.3 %	UJ	3HB-1 2”
	Benzoic Acid	-48.8 %	UJ	3HB-1 8.5’
	4-Chloroaniline	-47.9 %	UJ	3HB-3 2”
	Hexachlorocyclopentadiene	-70.1 %	J,UJ	3HB-3 8.5’
	2,4-Dinitrophenol	-85.7 %	UJ	
	4,6-Dinotro-2-methylphenol	-40.3 %	UJ	
	Benzylbutylphthalate	-37.3 %	UJ	
	Bis(2-ethylhexyl)phthalate	-32.7 %	UJ	
	Benzo(a)anthracene	-28.7 %	UJ	
	3,3’-Dichlorobenzidine	-32.9 %	UJ	
	Indeno(1,2,3-cd)pyrene	-26.7 %	J,UJ	
	Benzo(g,h,i) perylene	-27.7 %	UJ	

Internal Standards Recovery

The internal standard areas exceeded recovery limits for several samples. Qualification of sample results included the approximation of results when recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 25 percent. Samples qualified due to internal standard recovery deviations are tabulated below.

Table 12: Semivolatile Organics Analysis - Internal Standard Deviations

Internal Standard	Sample ID	Percent Recovery	Affected Compounds	Qualifier
Acenaphthene-d4	3MW-2	29.2 %	Hexachlorocyclopentadiene	UJ
			2,4,6-Trichlorphenol	UJ
			2,4,5-Trichlorphenol	UJ
			2-Chloronaphthalene	UJ
			2-Nitroaniline	UJ
			Dimethylphthalate	UJ
			2,6-Dinotrotoluene	UJ
			Acenaphthylene	J
			3-Nitroaniline	UJ
			Acenaphthene	UJ
			2,4-Dinitrophenol	UJ
			Dibenzofuran	UJ
			2,4-Dinitrotoluene	UJ
			4-Nitrophenol	UJ
			Diethylphthlate	UJ
			Fluorene	J
			4-Chlorophenyl-phenylether	UJ
			4-Nitroaniline	UJ

Internal Standard	Sample ID	Percent Recovery	Affected Compounds	Qualifier
Phenanthrene-d10	3MW-2	30.1 %	4,6-Dinitro-2-methylphenol	UJ
			N-Nitrosodiphenylamine	UJ
			4-Bromoophenyl-phenylether	UJ
			Hexachlorobenzene	UJ
			Pentachlorophenol	UJ
			Phenanthrene	UJ
			Anthracene	UJ
			Di-n-butylphthalate	UJ
			Fluoranthene	UJ
Chrysene-d12	3MW-2	37.6 %	Pyrene	UJ
			Benzylbutylphthalate	UJ
			Bis(2-Ethylhexyl)phthalate	J
			Benzo(a)anthracene	UJ
			3,3'-Dichlorobenzidine	UJ
			Chrysene	UJ
			Di-n-octylphthalate	UJ
			Benzo(b)fluoranthene	UJ
			Benzo(k)fluoranthene	UJ
			Benzo(a)pyrene	UJ
Perylene-d12	3MW-2	46.1 %	Indeno(1,2,3-cd)pyrene	UJ
			Dibenz(a,h)anthracene	UJ
			Benzo(g,h,i)perylene	UJ

Overall Data Assessment

Overall, the laboratory performed semivolatile organics analyses in accordance with the requirements specified in the method listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes with the exception of 0.88 percent of the data that were rejected due to laboratory control sample and matrix spike criteria deviations. Sample results for several compounds were also qualified based on deviations from internal standard recoveries, initial calibration, continuing calibration, laboratory control sample, and matrix spike criteria

2.4 Pesticides/PCBs Analyses

Data validation was performed for eight soil samples. The QA/QC parameters presented in Section 1.3.2 of this report were found to be within specified limits with the exception of the following:

Surrogate Recovery

Surrogate compounds are added to the samples prior to sample preparation to evaluate the efficiency of the sample preparation procedures. The data validation guidelines require the surrogate compounds to have percent recovery values within the laboratory generated control limits. When one or more of the surrogate compounds exceed the recovery limits the associated sample data require qualification. Samples that required qualification for surrogate compound deficiencies are tabulated below.

Table 13: Pesticides Analyses - Surrogate Compound Deviations

Sample ID	Surrogate Compound	Surrogate Recovery	Control Limits	Qualifier	Affected Compounds
MW-A	Decachlorobiphenyl	23.6 %	30 to 120 %	UJ	All Pesticide Compounds

Laboratory Control Sample Analysis

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recovery criteria requiring compound recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample results included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Samples qualified due to LCS recovery deviations are tabulated below.

Table 14: Pesticides Analyses – Laboratory Control Sample Deviations

Matrix	Compound	Percent Recovery (LCS/LCSD)	Control Limits	Qualifier	Affected Samples
Water	Delta-BHC	28.6 %/28.8 %	40 % to 120 %	UJ	3MW-1 3MW-2 MW-A

Overall Data Assessment

Overall, the laboratory performed pesticides analyses in accordance with the requirements specified in the method listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes as reported by the laboratory. Sample results for several compounds were also qualified based on deviations from surrogate recovery and laboratory control sample criteria

SECTION 3 - DATA USABILITY and PARCC EVALUATION

3.1 Data Usability

This section presents a summary of the usability of the analytical data and an evaluation of the PARCC parameters. Data usability was calculated as the percentage of data that was not qualified as rejected based on a significant deviation from established QA/QC criteria. Data usability, which was calculated separately for each type of analysis, is tabulated below.

Table 10: Data Usability and PARCC Evaluation - Data Usability

Parameter	Usability	Deviations
Inorganic Parameters	100 %	None resulting in the rejection of data
Volatile Organics	98.5 %	Acetone was rejected in samples TP-1 0-2", TP-1 8.5', TP-2 0-2", TP-2 5', TP-3 0-2", TP-3 8.5', TP-4 0-2", TP-4 8.5', TP-5 0-2", TP-5 5', TP-6 0-2", TP-6 4', TP-7 0-2" and TP-7 8' do continuing calibration criteria deviations. Dibromochlormethane was rejected in samples 3B-1 2", 3B-1 8.5', 3B-2 2", 3B-2 8.5', 3B-2 18", 3B-3 2", 3B-3 15', 3B-4 2" and 3B-4 8.5' due to continuing calibration, laboratory control samples and matrix spike control sample deviations.
Semivolatile Organics	100 %	None resulting in the rejection of data
PCBs	100 %	None resulting in the rejection of data
Pesticides	100 %	None resulting in the rejection of data

3.2 PARCC Evaluation

The following sections provide an evaluation of the analytical data with respect to the precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters.

3.2.1 Precision

Precision is measured through field duplicate samples, split samples, and laboratory duplicate samples. For this sampling program, none of the data were qualified for field duplicate criteria deviations and none of the data were qualified for laboratory duplicate criteria deviations.

3.2.2 Accuracy

Matrix spike sample, surrogate recovery, internal standard recovery, laboratory control samples, and calibration criteria indicate the accuracy of the data. For this sampling program, 0.66 percent of the analytical data were qualified for deviations from matrix spike recovery criteria; 0.45 pecent of the data were qualified for surrogate recovery criteria deviations; 0.89 percent of the data were qualified for internal standard recovery criteria deviations; 0.54 percent of the data were qualified for laboratory control sample deviations; and 5.31 percent of the data were qualified for calibration criteria deviations.

3.2.3 Representativeness

Holding times, sample preservation, and blank analysis are indicators of the representativeness of the analytical data. For this investigation, none of the analytical data required qualification for holding time deviations and 0.07 percent of the analytical data required qualification for blank analysis deviations.

3.2.4 Comparability

Comparability is not compromised provided that the analytical methods did not change over time. A major component of comparability is the use of standard reference materials for calibration and QC. These standards are compared to other unknowns to verify their concentrations. Since standard analytical methods and reporting procedures were consistently used by the laboratory, the comparability criteria for the analytical data were met.

3.2.5 Completeness

The overall percent usability or completeness of the data was 99.48 percent.

APPENDIX A

DATA VALIDATION CHECKLISTS

Table of Contents

		Page
I.	Part A: VOA Analyses	2
II.	Part B: BNA Analyses	6
III.	Part C: Pesticides/PCBs Analyses	10
IV.	Part D: Metals Analyses	14

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
1.0	**Traffic Reports and Laboratory Narrative**			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?		X	
2.0	**Holding Times**			
2.1	Have any VOA technical holding times, determined from date of collection to date of analysis, been exceeded?		X	
3.0	**System Monitoring Compound (SMC) Recovery (Form II)**			
3.1	Are the VOA SMC Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil	X		
	c. Air			X
3.2	Are all the VOA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil	X		
	c. Air			X
3.3	Were outliers marked correctly with an asterisk?			X
3.4	Was one or more VOA system monitoring compound recovery outside of contract specifications for any sample or method blank?		X	
	If yes, were samples re-analyzed?			X
	Were method blanks re-analyzed?			X
3.5	Are there any transcription/calculation errors between raw data and Form II?		X	
4.0	**Matrix Spikes (Form III)**			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?		X	
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?			
	a. Low Water		X	
	b. Low Soil	X		
	c. Air			X
4.3	How many VOA spike recoveries are outside QC limits?			
	Water 0 out of 54 Soils 1 out of 54			
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?			
	Water 0 out of 54 Soils 0 out of 54			

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
5.0	**Blanks (Form IV)**			
5.1	Is the Method Blank Summary (Form IV) present?	X		
5.2	Frequency of Analysis: for the analysis of VOA TCL compounds, has a reagent/method blank been analyzed for each SDG or every 20 samples of similar matrix (low water, low soil, medium soil), whichever is more frequent?	X		
5.3	Has a VOA method/instrument blank been analyzed at least once every twelve hours for each concentration level and GC/MS system used?	X		
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for VOAs?	X		
6.0	**Contamination**			
6.1	Do any method/instrument/reagent blanks have positive results (TCL and/or TIC) for VOAs?	X		
6.2	Do any field/trip/rinse blanks have positive VOA results (TCL and/or TIC)?			X
6.3	Are there field/rinse/equipment blanks associated with every sample?			X
7.0	**GC/MS Instrument Performance Check (Form V)**			
7.1	Are the GC/MS Instrument Performance Check Forms (Form V) present for Bromofluorobenzene (BFB)?	X		
7.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?	X		
7.3	Has an instrument performance compound been analyzed for every twelve hours of sample analysis per instrument?	X		
7.4	Have the ion abundances been normalized to m/z 95?	X		
7.5	Have the ion abundance criteria been met for each instrument used?	X		
7.6	Are there any transcription/calculation errors between mass lists and Form V's?		X	
7.7	Have the appropriate number of significant figures (two) been reported?	X		
7.8	Are the spectra of the mass calibration compound acceptable?	X		
8.0	**Target Compound List (TCL) Analytes**			
8.1	Are the Organic Analysis Data Sheets (Form I VOA) present with required header information on each page, for each of the following:			
	a. Sample and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates?	X		
	c. Blanks?	X		
8.2	Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?			
	a. Samples and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates (Mass spectra not required)?	X		
	c. Blanks?	X		
8.3	Are the response factors shown in the Quant Report?	X		

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
8.4	Is the chromatographic performance acceptable with respect to:			
	Baseline stability?	X		
	Resolution?	X		
	Peak shape?	X		
	Full-scale graph (attenuation)?	X		
	Other:			
8.5	Are the lab-generated standard mass spectra of the identified VOA compounds present for each sample?	X		
8.6	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	X		
8.7	Are all ions in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum?	X		
8.8	Do sample and standard relative ion intensities agree within 20%?	X		
9.0	**Tentatively Identified Compounds (TIC)**			
9.1	Are all Tentatively Identified Compound Forms (Form I Part B) present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?			X
9.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?			X
	b. Blanks?			X
9.3	Are any TCL compounds (from any fraction) listed as TIC compounds?			X
9.4	Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?			X
9.5	Do TIC and "best match" standard relative ion intensities agree within 20%?			X
10.0	**Compound Quantitation and Reported Detection Limits**			
10.1	Are there any transcription/calculation errors in Form I results?		X	
10.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, sample moisture?	X		
11.0	**Standards Data (GC/MS)**			
11.1	Are the Reconstructed Ion Chromatograms, and data system printouts present for initial and continuing calibration?	X		
12.0	**GC/MS Initial Calibration (Form VI)**			
12.1	Are the Initial Calibration Forms (Form VI) present and complete for the volatile fraction at concentrations of 10, 20, 50, 100, 200 ug/L? Are there separate calibrations for low/med soils and low soil samples?	X		
12.2	Were all low level soil standards, blanks, and samples analyzed by heated purge?	X		
12.3	Are the response factors stable for VOA's over the concentration range of the calibration (%Relative Standard Deviation (%RSD) <30%)		X	
12.4	Are the RRFs above 0.01?	X		
12.5	Are there any transcription/calculation errors in the reporting of average response factors (RRF) or %RSD?		X	

Data Validation Checklist - Part A: VOA Analyses

No:	Parameter	YES	NO	N/A
13.0	**GC/MS Continuing Calibration (Form VII)**			
13.1	Are the Continuing Calibration Forms (Form VII) present and complete for the volatile fraction?	X		
13.2	Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument?	X		
13.3	Do any volatile compounds have a percent difference (%D) between the initial and continuing RRF which exceeds the +/- 25% criteria?		X	
13.4	Do any volatile compounds have a RRF <0.01?		X	
13.5	Are there any transcription/calculation errors in the reporting of average response factor (RRF) or %difference (%D) between initial and continuing RRFs?		X	
14.0	**Internal Standard (Form VIII)**			
14.1	Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration?	X		
14.2	Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	X		
15.0	**Field Duplicates**			
15.1	Were any field duplicates submitted for VOA analysis?		X	

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
1.0	**Traffic Reports and Laboratory Narrative**			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?		X	
2.0	**Holding Times**			
2.1	Have any BNA technical holding times, determined from date of collection to date of extraction, been exceeded?		X	
3.0	**System Monitoring Compound (SMC) Recovery (Form II)**			
3.1	Are the BNA Surrogate Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil	X		
	c. Med Soil			X
3.2	Are all the BNA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil	X		
	c. Med Soil			X
3.3	Were outliers marked correctly with an asterisk?	X		
3.4	Were two or more base neutral or acid surrogate compound recoveries out of specification for any sample or method blank?		X	
	If yes, were samples re-analyzed?			X
	Were method blanks re-analyzed?			X
3.5	Are there any transcription/calculation errors between raw data and Form II?		X	
4.0	**Matrix Spikes (Form III)**			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?			X
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?			X
	a. Low Water			X
	b. Low Soil	X		
	c. Med Soil			X
4.3	How many BNA spike recoveries are outside QC limits?			
	Water 0 out of 0 Soils 3 out of 65			

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?			
	Water 0 out of 69 Soils 0 out of 65			
5.0	**Blanks (Form IV)**			
5.1	Is the Method Blank Summary (Form IV) present?	X		
5.2	Frequency of Analysis: Has a reagent/method blank analysis been reported per 20 samples of a similar matrix, or concentration level, for each extraction batch?	X		
5.3	Has a BNA method blank been analyzed for each GC/MS system used?	X		
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for BNAs?	X		
6.0	**Contamination**			
6.1	Do any method/instrument/reagent blanks have positive results (TCL and/or TIC) for BNAs?		X	
6.2	Do any field/rinse blanks have positive BNA results (TCL and/or TIC)?			X
6.3	Are there field/rinse/equipment blanks associated with every sample?		X	
7.0	**GC/MS Instrument Performance Check (Form V)**			
7.1	Are the GC/MS Instrument Performance Check Forms (Form V) present for Decafluorotriphenylphosphine (DFTPP)?	X		
7.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the DFTPP provided for each twelve-hour shift?	X		
7.3	Has an instrument performance check solution been analyzed for every twelve hours of sample analysis per instrument?	X		
7.4	Have the ion abundances been normalized to m/z 198?	X		
7.5	Have the ion abundance criteria been met for each instrument used?	X		
7.6	Are there any transcription/calculation errors between mass lists and Form V's?		X	
7.7	Have the appropriate number of significant figures (two) been reported?	X		
7.8	Are the spectra of the mass calibration compound acceptable?	X		
8.0	**Target Compound List (TCL) Analytes**			
8.1	Are the Organic Analysis Data Sheets (Form I BNA) present with required header information on each page, for each of the following:			
	a. Sample and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates?	X		
	c. Blanks?	X		
8.2	Has GPC cleanup been performed on all soil/sediment sample extracts?			X
8.3	Are the BNA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?			

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
	a. Samples and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates (Mass spectra not required)?	X		
	c. Blanks?	X		
8.4	Are the response factors shown in the Quant Report?	X		
8.5	Is the chromatographic performance acceptable with respect to:			
	Baseline stability?	X		
	Resolution	X		
	Peak shape?	X		
	Full-scale graph (attenuation)?	X		
	Other:			
8.6	Are the lab-generated standard mass spectra of identified BNA compounds present for each sample?	X		
8.7	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	X		
8.8	Are all ions in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum?	X		
8.9	Do sample and standard relative ion intensities agree within 20%?	X		
9.0	**Tentatively Identified Compounds (TIC)**			
9.1	Are all Tentatively Identified Compound Forms (Form I, Part B) present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?			X
9.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?			X
	b. Blanks?			X
9.3	Are any TCL compounds (from any fraction) listed as TIC compounds?			X
9.4	Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?			X
9.5	Do TIC and "best match" standard relative ion intensities agree within 20%?			X
10.0	**Compound Quantitation and Reported Detection Limits**			
10.1	Are there any transcription/calculation errors in Form I results?		X	
10.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, sample moisture?	X		
11.0	**Standards Data (GC/MS)**			
11.1	Are the Reconstructed Ion Chromatograms, and data system printouts present for initial and continuing calibration?	X		
12.0	**GC/MS Initial Calibration (Form VI)**			

Data Validation Checklist - Part B: BNA Analyses

No:	Parameter	YES	NO	N/A
12.1	Are the Initial Calibration Forms (Form VI) present and complete for the BNA fraction?	X		
12.2	Are response factors stable for BNA's over the concentration range of the calibration (%Relative Standard Deviation (%RSD) <30%)		X	
12.3	Are all BNA compound RRFs > 0.01?	X		
12.4	Are there any transcription/calculation errors in the reporting of average response factors (RRF) or %RSD?	X		
13.0	**GC/MS Continuing Calibration (Form VII)**			
13.1	Are the Continuing Calibration Forms (Form VII) present and complete for the BNA fraction?	X		
13.2	Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument?	X		
13.3	Do any semivolatile compounds have a percent difference (%D) between the initial and continuing RRF which exceeds the +/- 25% criteria?		X	
13.4	Do any semivolatile compounds have a RRF <0.01?		X	
13.5	Are there any transcription/calculation errors in the reporting of average response factor (RRF) or percent difference (%D) between initial and continuing RRFs?	X		
14.0	**Internal Standard (Form VIII)**			
14.1	Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration?	X		
14.2	Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	X		
15.0	**Field Duplicates**			
15.1	Were any field duplicates submitted for BNA analysis?		X	

Data Validation Checklist - Part C: Pesticides/PCB Analyses

No:	Parameter	YES	NO	N/A
1.0	**Traffic Reports and Laboratory Narrative**			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or SDG Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?	X		
2.0	**Holding Times**			
2.1	Have any PEST/PCB technical holding times, determined from date of collection to date of extraction, been exceeded?		X	
3.0	**System Monitoring Compound (SMC) Recovery (Form II)**			
3.1	Are the PEST/PCB Surrogate Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water	X		
	b. Soil	X		
3.2	Are all the PEST/PCB samples listed on the appropriate Surrogate Recovery Summary for each of the following matrices:			
	a. Low Water	X		
	b. Soil	X		
3.3	Were outliers marked correctly with an asterisk?	X		
3.4	Were surrogate recoveries of TCX or DCB outside of the contract specifications for any sample or method blank? (60-150%)	X		
3.5	Were surrogate retention times (RT) within the windows established during the initial 3-point analysis of Individual Standard Mixture A?	X		
3.6	Are there any transcription/calculation errors between raw data and Form II?		X	
4.0	**Matrix Spikes (Form III)**			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?	X		
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?	X		
	a. Low Water			X
	b. Soil	X		
4.3	How many PEST/PCB spike recoveries are outside QC limits?			
	Water 0 out of 0 Soils 0 out of 20			
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?			
	Water 0 out of 0 Soils 0 out of 20			
5.0	**Blanks (Form IV)**			
5.1	Is the Method Blank Summary (Form IV) present?	X		

Data Validation Checklist - Part C: Pesticides/PCB Analyses

No:	Parameter	YES	NO	N/A
5.2	Frequency of Analysis: For the analysis of Pesticide/PCB TCL compounds, has a reagent/method blank been analyzed for each SDG or every 20 samples of similar matrix or concentration or each extraction batch, whichever is more frequent?	X		
5.3	Has a PEST/PCB instrument blank been analyzed at the beginning of every 12 hr. period following the initial calibration sequence?	X		
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for PEST/PCBs?	X		
6.0	**Contamination**			
6.1	Do any method/instrument/reagent blanks have positive results PEST/PCBs?		X	
6.2	Do any field/rinse blanks have positive PEST/PCB results?		X	
6.3	Are there field/rinse/equipment blanks associated with every sample?		X	
7.0	**Calibration and GC Performance**			
7.1	Are the following Gas Chromatograms and Data Systems Printouts for both columns present for all samples, blanks, MS/MSD?			
	a. Peak resolution check	X		
	b. Performance evaluation mixtures	X		
	c. Aroclor 1016/1260	X		
	d. Aroclors 1221, 1232, 1242, 1248, 1254, 1262, 1268	X		
	e. Toxaphene	X		
	f. Low points individual mixtures A & B	X		
	g. Med points individual mixtures A & B	X		
	h. High points individual mixtures A & B	X		
	I. Instrument blanks	X		
7.2	Are Forms VI - PEST 1-4 present and complete for each column and each analytical sequence?	X		
7.3	Are there any transcription/calculation errors between raw data and Forms VI?		X	
7.4	Do all standard retention times, including each pesticide in each level of Individual Mixtures A & B, fall within the windows established during the initial calibration analytical sequence?	X		
7.5	Are the linearity criteria for the initial analyses of Individual Standards A & B within limits for both columns?	X		
7.6	Is the resolution between any two adjacent peaks in the Resolution Check Mixture > 60.0% for both columns?	X		
7.7	Is Form VII - Pest-1 present and complete for each Performance Evaluation Mixture analyzed during the analytical sequence for both columns?	X		
7.8	Has the individual percent breakdown exceeded 20.0% on either column?		X	
	- for 4,4' - DDT?		X	
	- for endrin?		X	

Data Validation Checklist - Part C: Pesticides/PCB Analyses

No:	Parameter	YES	NO	N/A
	Has the combined %breakdown for 4,4' - DDT/Endrin exceeded 30.0% on either column?		X	
7.9	Are the relative percent difference (RPD) values for all PEM analytes <25.0%?	X		
7.10	Have all samples been injected within a 12 hr. Period beginning with the injection of an Instrument Blank?	X		
7.11	Is Form VII - Pest-2 present and complete for each INDA and INDB Verification Calibration analyzed?	X		
7.12	Are there any transcription/calculation errors between raw data and Form VII - Pest-2?		X	
7.13	Do all standard retention times for each INDA and INDB Verification Calibration fall within the windows established by the initial calibration sequence?	X		
7.14	Are the RPD values for all verification calibration standard compounds <25.0%?		X	
8.0	**Analytical Sequence Check (Form VIII-PEST)**			
8.1	Is Form VIII present and complete for each column and each period of analyses?	X		
8.2	Was the proper analytical sequence followed for each initial calibration and subsequent analyses?	X		
9.0	**Cleanup Efficiency Verification (Form IX)**			
9.1	Is Form IX - Pest-1 present and complete for each lot of Florisil Cartridges used?	X		
9.2	Are all samples listed on the Pesticide Florisil Cartridge Check Form?	X		
9.3	If GPC Cleanup was performed, is Form IX - Pest-2 present?		X	
9.4	Are percent recoveries (%R) of the pesticide and surrogate compounds used to check the efficiency of the cleanup procedures within QC limits:			
	80-120% for florisil cartridge check?	X		
	80-110% for GPC calibration?			X
10.0	**Pesticide/PCB Identification**			
10.1	Is Form X complete for every sample in which a pesticide or PCB was detected?	X		
10.2	Are there any transcription/calculation errors between raw data and Forms 6E, 6G, 7E, 7D, 8D, 9A, 9B, 10A?		X	
10.3	Are retention times (RT) of the sample compounds within the established windows for both analyses?	X		
10.4	Is the percent difference (%D) calculated for the positive sample results on the two GC columns < 25.0%?	X		
10.5	Check chromatograms for false negatives, especially the multiple peak compounds toxaphene and PCBs. Were there any false negatives?		X	
11.0	**Compound Quantitation and Reported Detection Limits**			
11.1	Are there any transcription/calculation errors in Form I results?		X	
11.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, percent moisture?	X		
12.0	**Chromatogram Quality**			
12.1	Were baselines stable?	X		

Data Validation Checklist - Part C: Pesticides/PCB Analyses

No:	Parameter	YES	NO	N/A
12.2	Were any electropositive displacement (negative peaks) or unusual peaks seen?		X	
13.0	**Field Duplicates**			
13.1	Were any field duplicates submitted for PEST/PCB analysis?		X	

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
1.0	**Form I to IX**			
1.1	Are all the Form I through Form IX labeled with:			
	Laboratory Name?	X		
	Case/SAS No.?			X
	EPA sample No.?			X
	SDG No.?	X		
	Contract No.?	X		
	Correct units?	X		
	Matrix?	X		
1.2	Do any computer/transcription errors exceed 10% of reported values on Forms I-IX for:			
	A. All analytes analyzed by ICP?		X	
	B. All analytes analyzed by GFAA?			X
	C. All analytes analyzed by AA Flame?			X
	D. Mercury?		X	
	E. Cyanide?		X	
2.0	**Raw Data**			
2.1	Digestion Log for flame AA/ICP (Form XIII) present?	X		
2.2	Digestion Log for furnace AA (Form XIII) present?			X
2.3	Distillation Log for mercury (Form XIII) present?	X		
2.4	Distillation Log for cyanides (Form XIII) present?			X
2.5	Are pH values (pH<2 for all metals, pH>12 for cyanide) present?	X		
2.6	Percent solids calculation dates present on sample preparation logs/bench sheets?	X		
2.7	Are preparation dates present on sample preparation logs/bench sheets?	X		
2.8	Measurement read out record present?			
	A. ICP	X		
	B. Flame AA			X
	C. Furnace AA			X
	D. Mercury	X		
	E. Cyanides	X		
2.9	Are all raw data to support all sample analyses and QC operations present?	X		
3.0	**Holding Times**			
3.1	A. Mercury analysis (28 days) .....exceeded?		X	

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
	B. Cyanide distillation (14 days) .....exceeded?		X	
	C. Other Metals analysis (6 months) .....exceeded?		X	
3.2	Is pH of aqueous samples for:			
	A. Metals Analysis >2?		X	
	B. Cyanides Analysis <12?		X	
4.0	**Form I (Final Data)**			
4.1	Are all Forms I's present and complete?	X		
4.2	Are correct units (ug/l for waters and mg/kg for soils) indicated on Form I's?	X		
4.3	Are soil sample results for each parameter corrected for percent solids?	X		
4.4	Are all "less than IDL" values properly coded with "U"?	X		
4.5	Are the correct concentration qualifiers used with final data?	X		
4.6	Are EPA sample #s and corresponding laboratory sample ID #s the same as on the Cover Page, Form I's and in the raw data?	X		
4.7	Was a brief physical description of samples given on Form I's?	X		
4.8	Was the dilution of any sample diluted beyond the requirements of the contract noted on Form I or Form XIV?		X	
5.0	**Calibration**			
5.1	Is record of at least 2 point calibration present for ICP analysis?	X		
5.2	Is record of 5 point calibration present for Hg analysis?	X		
5.3	Is record of 4 point calibration present for:			X
	Flame AA?			X
	Furnace AA?			X
	Cyanides?	X		
5.4	Is one calibration standard at the CRDL level for all AA (except Hg) and cyanides analyses?	X		
5.5	Is correlation coefficient less than 0.995 for:			
	Mercury Analysis?	X		
	Cyanide Analysis?	X		
	Atomic Absorption Analysis?			X
5.6	In the instance where less than 4 standards are measured in absorbance (or peak area, peak height, etc.) Mode, are remaining standards analyzed in concentration mode immediately after calibration within +/- 10% of the true values?			X
6.0	**Form II A (Initial and Continuing Calibration Verification)**			
6.1	Present and complete for every metal and cyanide?	X		
6.2	Present and complete for AA ICP when both are used for the same analyte?			X
6.3	Are all calibration standards (initial and continuing) within control limits:			
	Metals - 90 - 110%R	X		

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
	Hg - 80 - 120%R	X		
	Cyanides - 85 - 115%R	X		
6.4	Was continuing calibration performed every 10 samples or every 2 hours?	X		
6.5	Was ICV for cyanides distilled?			X
7.0	**Form II B (CRDL Standards for AA and ICP)**			
7.1	Was a CRDL standard (CRA) analyzed after initial calibration for all AA metals (except Hg)?	X		
7.2	Was a mid range calibration verification standard distilled and analyzed for cyanide analysis?	X		
7.3	Was a 2xCRDL (or 2xIDL when IDL>CRDL) analyzed (CRI) for each ICP run?	X		
7.4	Was CRI analyzed after ICV/ICB and before the final CCV/CCB, and twice every eight hours of ICP run?	X		
7.5	Are CRA and CRI standards within control limits: Metals 70 – 130 %R?	X		
7.6	Is mid-range standard within control limits: Cyanide 70 – 130 %R?	X		
8.0	**Form III (Initial and Continuing Calibration Blanks)**			
8.1	Present and complete?	X		
8.2	For both AA and ICP when both are used for the same analyte?			X
8.3	Was an initial calibration blank analyzed?	X		
8.4	Was a continuing calibration blank analyzed after every 10 samples or every 2 hours (which ever is more frequent)?	X		
8.5	Are all calibration blanks (when IDL<CRDL) less than or equal to the Contract Required Detection Limits (CRDLs)?	X		
8.6	Are all calibration blanks less than two times Instrument Detection Limit (when IDL>CRDL)?			X
9.0	**Form III (Preparation Blank)**			
9.1	Was one preparation blank analyzed for:			
	each Sample Delivery Group?	X		
9.2	Is concentration of preparation blank value greater than the CRDL when IDL is less than or equal to CRDL?	X		
9.3	If yes, is the concentration of the sample with the least concentrated analyte less than 10 times the preparation blank?			X
9.4	Is concentration of preparation blank value (Form III) less than two times IDL, when IDL is greater than CRDL?			X
9.5	Is concentration of preparation blank below the negative CRDL?		X	
10.0	**Form IV (Interference Check Sample)**			
10.1	Present and Complete?	X		
10.2	Are all Interference Check Sample results inside the control limits (+/- 20%)?	X		

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
10.3	If no, is concentration of Al, Ca, Fe, or Mg lower than the respective concentration in ICS?			X
11.0	**Form V A (Spiked Sample recovery - Pre-Digestion/Pre-Distillation**			
11.1	Present and complete for:			
	each SDG?	X		
	each matrix type?	X		
	each concentration range (i.e., low, medium, high)?	X		
	For both AA and ICP when both are used for the same analyte?			X
11.2	Was field blank used for spiked sample?		X	
11.3	Are all recoveries within control limits?		X	
11.4	If no, is sample concentration greater than or equal to four times spike concentration?		X	
12.0	**Form VI (Lab Duplicates)**			
12.1	Present and complete for :			
	each SDG?	X		
	each matrix type?	X		
	each concentration range (i.e., low, medium, high)?	X		
	both AA and ICP when both are used for the same analyte?			X
12.2	Was field blank used for duplicate analysis?		X	
12.3	Are all values within control limits (RPD 20% or difference </= +/-CRDL)?		X	
12.4	If no, are all results outside the control limits flagged with an * on Form I's and VI?	X		
13.0	**Field Duplicates**			
13.1	Were field duplicates analyzed?	X		
13.2	**Aqueous**			
	Is any RPD greater than 50% where sample and duplicate are both greater than or equal to 5 times CRDL?			X
	Is any difference between sample and duplicate greater than CRDL where sample and/or duplicate is less than 5 times CRDL?			X
13.3	**Soil/Sediment**			
	Is any RPD (where sample and duplicate are both greater than 5 times CRDL): >100%?		X	
	Is any difference between sample and duplicate (where sample and/or duplicate is less than 5x CRDL): >2x CRDL?		X	
14.0	**Form VII (Laboratory Control Sample)**			
14.1	Was one LCS prepared and analyzed for:			
	each SDG?	X		
	each batch samples digested/distilled?	X		
	both AA and ICP when both are used for the same analyte?			X
14.2	**Aqueous LCS**			

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
	Is any LCS recovery:			
	less than 50%?		X	
	between 50% and 79%?		X	
	between 121% and 150%?		X	
	greater than 150%?		X	
14.3	**Solid LCS**			
	Is LCS "Found" value higher than the control limits on Form VII?		X	
	Is LCS "Found" value lower than the control limits on Form VII?		X	
15.0	**Form IX (ICP Serial Dilution)**			
15.1	Was serial dilution analysis performed for:			
	each SDG?	X		
	each matrix type?	X		
	each concentration range (i.e., low, medium, high)?	X		
15.2	Was field blank(s) used for Serial Dilution Analysis?		X	
15.3	Are results outside control limit flagged with an "E" on Form I's and Form IX when initial concentration on Form IX is equal to 50 times IDL or greater?			X
15.4	Are any percent difference values:			
	>10%		X	
	>/=100%		X	
16.0	**Furnace Atomic Absorption (AA) QC Analysis**			
16.1	Are duplicate injections present in furnace raw data for each sample analyzed by GFAA?			X
16.2	Do the duplicate injection readings agree within 20% Relative Standard Deviation (RSD) or Coefficient of Variation (CV) for concentration greater than CRDL?			X
16.3	Was a dilution analyzed for sample with analytical spike recovery less than 40%?			X
16.4	Is analytical spike recovery outside the control limits (85 - 115%) for any sample?			X
17.0	**Form VIII (Method of Standard Addition Results)**			
17.1	Present?			X
17.2	If no, is any Form I result coded with "S" or a "+"?			X
17.3	Is coefficient of correlation for MSA less than 0.990 for any sample?			X
17.4	Was MSA required for any sample but not performed?			X
17.5	Is coefficient of correlation for MSA less than 0.995?			X
17.6	Are MSA calculations outside the linear range of the calibration curve generated at the beginning of the analytical run?			X
17.7	Was proper Quantitation procedure followed correctly as outlined in the SOW on page E-23?			X
18.0	**Dissolved/Total or Inorganic/Total Analytes**			

Data Validation Checklist - Part D: Metals Analyses

No:	Parameter	YES	NO	N/A
18.1	Were any analyses performed for dissolved as well as total analytes on the same sample(s)?		X	
18.2	Were any analyses performed for inorganic as well as total (organic and inorganic) analytes on the same sample(s)?	X		
18.3	Is the concentration of any dissolved (or inorganic) analyte greater than its total concentration by more than 10%?		X	
18.4	Is the concentration of any dissolved (or inorganic) analyte greater than its total concentration by more than 50%?		X	
19.0	**Form I (Field Blank)**			
19.1	Is field blank concentration less than CRDL (or 2 x IDL when IDL>CRDL) for all parameters of associated aqueous and soil samples?	X		
19.2	If no, was field blank value already rejected due to other QC criteria?			X
20.0	**Form X, XI, XII (Verification of Instrumental Parameters)**			
20.1	Is verification report present for:			
	Instrument Detection Limits (quarterly)?	X		
	ICP Interelement Correction Factors (annually)?	X		
	ICP Linear Ranges (quarterly)?	X		
21.0	**Form X (Instrument Detection Limits)**			
21.1	Are IDLs present for:			
	all the analytes?	X		
	all the instruments used?	X		
	For both AA and ICP when both are used for the same analyte?			X
21.2	Is IDL greater than CRDL for any analytes?		X	
21.3	If yes, is the concentration on Form I of the sample analyzed on the instrument whose IDL exceeds CRDL, greater than 5 x IDL?			X
22.0	**Form XI (Linear Ranges)**			
22.1	Was any sample result higher than the high linear range of ICP?		X	
22.2	Was any sample result higher than the highest calibration standard for non-ICP parameters?		X	
22.3	If yes for any of the above, was the sample diluted to obtain the result on Form I?			X
23.0	**Percent Solids of Sediments**			
23.1	Are percent solids in sediment(s):			
	<50%?		X	
	<10%?		X	

Data Usability Summary Report

Ludlow Street ESI File WY07054.50
Yonkers, New York

Air Samples
Collected July 2014

October 2014

ZDataReports
Data Management and Validation Services
118 Rose Lane Terrace, Syracuse, NY 13219, (716) 907-2341

Data Usability Summary Report

Air Samples
Collected July 2014

Ludlow Street ESI File WY07054.50
Yonkers, New York

Prepared By:

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EXECUTIVE SUMMARY

This report addresses data quality for air samples collected at the 7-17 Ludlow Street Site ESI File WY07054.50 located in Yonkers, New York. The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by Ecosystems Strategies, Inc. of Poughkeepsie, New York. Analytical services were provided by Alpha Analytical, Inc. located in Mansfield, Massachusetts.

The TO-15 volatile organic analyses data were determined to be usable for qualitative and quantitative purposes as presented by the laboratory.

TABLE of CONTENTS

SECTION 1 - INTRODUCTION 1
1.1 Introduction 1
1.2 Analytical Methods 1
1.3 Validation Protocols 1
1.4 Data Qualifiers 2
SECTION 2 - DATA VALIDATION SUMMARY 3
2.1 Volatile Organics Analysis 3
3.1 Data Usability 4
3.2 PARCC Evaluation 4
3.2.1 Precision 4
3.2.2 Accuracy 4
3.2.3 Representativeness 4
3.2.4 Comparability 4
3.2.5 Completeness 5

Appendices

Appendix A - Data Validation Checklists

SECTION 1 - INTRODUCTION

1.1 Introduction

This report addresses data quality for air samples collected at at the 7-17 Ludlow Street Site ESI File WY07054.50 located in Yonkers, New York. The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by Ecosystems Strategies, Inc. of Poughkeepsie, New York. Analytical services were provided by Alpha Analytical, Inc. located in Mansfield, Massachusetts. The quantity and type of samples submitted for data validation are tabulated below.

Table 1: Introduction - Sample Summary Table

SDG#	Date Collected	Sample Matrix	Sample Identification	
			Client ID	Laboratory ID
L1416124	07/16/2014	Air	SV-1	L1416124-1

1.2 Analytical Methods

The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies (2005 update). Laboratory analyses were provided by Alpha Analytical, Inc. located in Mansfield, Massachusetts

1.3 Validation Protocols

Data validation is a process that involves the evaluation of analytical data against prescribed quality control criteria to determine the usefulness of the data. The analytical data addressed in this report were evaluated utilizing the quality control criteria presented in the following documents:

- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, EPA-540-R-08-01, June 2008.
- *CLP Organics Data Review and Preliminary Review*, SOP No. HW-6 Revision #14, USEPA Region II, September 2006.
- *Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8260B*, SOP No. HW-24 Revision #2, USEPA Hazardous Waste Support Branch, October 2006.
- *Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15*, SOP No. HW-31 Revision #4, USEPA Hazardous Waste Support Branch, October 2006.
- *Exhibit E of New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP)*, NYSDEC June 2005.

1.3.1 Organic Parameters

The validation of organic parameters for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

Volatile Organics Analyses

1. Holding Times
2. GC/MS Instrument Tuning Criteria
3. Calibration
   a. Initial Calibration
   b. Continuing Calibration
4. Blank Analysis
5. Surrogate Recovery
6. Matrix Spike / Matrix Spike Duplicate Analysis
7. Reference Standard Analysis
8. Internal Standards Recovery
9. Compound Identification and Quantification
10. Field Duplicate Analysis
11. System Performance
12. Documentation Completeness
13. Overall Data Assessment

1.4 Data Qualifiers

The following qualifiers as specified in the guidance documents presented in Section 1.3 of this report have been used for this data validation.

U — Indicates that the compound was analyzed for, but was not detected. The sample quantification limit is presented and adjusted for dilution. This qualifier is also used to signify that the detection limit of an analyte was raised due to blank contamination.

J — Indicates that the result should be considered approximate. This qualifier is used when the data validation procedure identifies a deficiency in the data generation process.

UJ — Indicates that the detection limit for the analyte in this sample should be considered approximate. This qualifier is used when the data validation process identifies a deficiency in the data generation process.

R — Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data are considered to be unusable for both qualitative and quantitative purposes.

The following sections of this document present a summary of the data validation process. Section 2 discusses data compliance with established QA/QC criteria and qualifications performed on the sample data. A discussion of the Precision, Accuracy, Representativeness, Comparability, and Completeness (PARCC) of the data and data usability are discussed in Section 3. The USEPA Region II Data Validation Checklist is presented in Appendix A.

SECTION 2 - DATA VALIDATION SUMMARY

This section presents a discussion of QA/QC parameter compliance with established criteria and the qualification of data performed when QA/QC parameter deviations were identified. When several deviations from established QA/QC criteria were observed, the final qualifier assigned to the data was based on the cumulative effect of the deviations.

2.1 Volatile Organics Analysis

Data validation was performed for one air samples. The QA/QC parameters presented in Section 1.3.2 of this report were found to be within specified limits.

Overall Data Assessment

Overall, the laboratory performed volatile organic analyses in accordance with the requirements specified in the methods listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes as presented by the laboratory.

SECTION 3 - DATA USABILITY and PARCC EVALUATION

3.1 Data Usability

This section presents a summary of the usability of the analytical data and an evaluation of the PARCC parameters. Data usability was calculated as the percentage of data that was not qualified as rejected based on a significant deviation from established QA/QC criteria. Data usability which was calculated separately for each type of analysis is tabulated below.

Table 3: Data Usability and PARCC Evaluation - Data Usability

Parameter	Usability	Deviations
TO-15 Volatile Organics	100 %	None resulting in the rejection of data.

3.2 PARCC Evaluation

The following sections provide an evaluation of the analytical data with respect to the precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters.

3.2.1 Precision

Precision is measured through field duplicate samples, split samples, and laboratory duplicate samples. For this sampling program, none of the data were qualified for field or laboratory duplicate criteria deviations.

3.2.2 Accuracy

Matrix spike sample, surrogate recovery, internal standard recovery, laboratory control samples, and calibration criteria indicate the accuracy of the data. For this sampling program, none of the analytical data were qualified for deviations from matrix spike recovery criteria; none of the data were qualified for surrogate recovery criteria deviations; none of the data were qualified for internal standard recovery criteria deviations; none of the data were qualified for laboratory control sample deviations; and none of the data were qualified for calibration criteria deviations.

3.2.3 Representativeness

Holding times, sample preservation, and blank analysis are indicators of the representativeness of the analytical data. For this investigation, none of the analytical data required qualification for holding time deviations and none of the analytical data required qualification for blank analysis deviations.

3.2.4 Comparability

Comparability is not compromised provided that the analytical methods did not change over time. A major component of comparability is the use of standard reference materials for calibration and QC. These standards are compared to other unknowns to verify their concentrations. Since standard analytical methods and reporting procedures were consistently used by the laboratory, the comparability criteria for the analytical data were met.

3.2.5 Completeness

The percent usability or completeness of the data was determined to be 100 percent.

APPENDIX A

DATA VALIDATION CHECKLISTS

Table of Contents

		Page
I.	Part A: TO-15 VOA Analyses	2

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
1.0	**Data Completeness and Deliverables**			
1.1	Have any missing deliverables been received and added to the data package?		X	
2.0	**Cover Letter, Narrative, and Data Reporting Forms**			
2.1	Is the Lab. Narrative and Cover Page Present?	X		
2.2	Is Case Number contained in the Narrative?	X		
2.3	Are the following Data Reporting Forms present?			
	Analysis Data Sheet [Form I/Equivalent]	X		
	Tentatively Identified Compounds [Form I-TIC]	X		
	Blank Summary [Form IV/Equivalent]	X		
	Laboratory Control Sample Data Sheet [Form III/Equivalent]	X		
	GC/MS Instrument Performance Check and Mass Calibration [Form V/Equivalent]	X		
	Initial Calibration [Form VI/Equivalent]	X		
	Continuing Calibration [Form VII/Equivalent]	X		
	Internal Standard Area and RT Summary [Form VIII/Equivalent]	X		
	Canister Certification [Form IX/Equivalent]	X		
3.0	**Canister Receipt/Log-in Sheet**			
3.1	Do all info items agree with each sample?	X		
4.0	**Traffic Reports and Laboratory Narrative**			
4.1	Are the Traffic Report Forms present for all samples?	X		
5.0	**Holding Times**			
5.1	Have any VOA technical holding times of 30 days, determined from the date of sample collection to the date of analysis, been exceeded?		X	
6.0	**Leak Test Evaluation**			
6.1	Did the pressure test not vary by more than ± 13.8 kPa (± 2 psi) over the 24 hours period?		X	
7.0	**Canister Certification Form IX/Equivalent**			
7.1	Blank Analysis			
	Were the target analytes < the required detection limits specified in the task order?		X	
7.2	Is the canister certification form provided, and the associated canister sample identification included? When contamination, included contamination detected (all raw data), analyte and reference mass spectra.		X	

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
8.0	**Laboratory Control Samples**			
8.1	Is an LCS Data Sheet [Form III/Equivalent] present and complete for each LCS?	X		
8.2	Was an LCS prepared (10 ppbv total scan, 0.1 ppbv SIM) and analyzed at the required frequency (once per 24 hour analytical sequence, and concurrently with the samples in the SDG)?	X		
8.3	Are there any transcription/calculation errors between the raw data and Form III/Equivalent?	X		
8.4	Is the % recovery within 70 – 130 % for each LCS target compound reported on Form III/Equivalent?	X		
8.5	Is the RT of each reported LCS compound within the windows established during the most recent valid calibration?	X		
8.6	Do the Internal Standards meet the requirements specified in Sections 18.1 and 18.2?	X		
9.0	**GC/MS Instrument Performance Check**			
9.1	Are the GC/MS Instrument Performance Check Forms [Form V/Equivalent] present for Bromofluorobenzene (BFB)?	X		
9.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the 50 ng BFB provided for each twenty-four hour shift?	X		
9.3	Has the instrument performance compound been analyzed for every twenty-four hours of sample analysis per instrument?	X		
9.4	Have the ion abundances been normalized to m/z 95?	X		
9.5	Have the ion abundance criteria been met for each instrument used?	X		
9.6	Are there any transcription/calculation errors between mass lists and Form Vs?		X	
9.7	Have the appropriate number of significant figures (two) been reported?	X		
9.8	Are the spectra of the mass calibration compound acceptable?	X		
10.0	**Performance Evaluation Sample (Optional)**			
10.1	Was a PE sample submitted from the Agency with each SDG?			X
10.2	Do the Internal Standards meet the requirements specified in Section 18.1 and 18.2?			X
11.0	**Laboratory Method Blanks**			
11.1	Is an Analysis Data Sheet [Form IV/Equivalent] present and complete for each method blank?	X		
11.2	Frequency of Analysis:			
	Has a method blank analysis been reported per instrument for each 24-hour analytical sequence?	X		
	Has a method blank been analyzed after the initial calibration or a valid calibration check standard, and before the LCS, prior to sample analysis?	X		
11.3	Is the chromatographic performance (baseline stability) for each instrument acceptable?	X		
11.4	Was the area response of each Internal Standard (IS) in the blank within ± 40 % of the mean area response of the IS of the most recent valid calibration?	X		

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
11.5	Were the RTs of each IS within ± 0.33 min (20 sec.) between blanks and most recent valid calibration?	X		
12.0	**Blank Contamination**			
12.1	Do any method blanks have positive target and non-target VOA results?		X	
13.0	**Target Compound Analytes**			
13.1	Are the Organic Analysis Data Sheets [Form I/Equivalent], VOA chromatograms, and data system printouts present and complete with required header information for each of the following:			
	a. Samples?	X		
	b. Method blanks?	X		
	c. Laboratory Control Sample (LCS)?	X		
	d. Performance Evaluation Sample (PES)?	X		
13.2	Is the chromatographic performance acceptable with respect to:			
	a. Baseline stability?	X		
	b. Resolution?	X		
	c. Peak shape?	X		
	d. Full-scale graph (attenuation)?	X		
	e. Other?			X
13.3	Were any electropositive displacement (negative peaks) or unusual peaks seen?		X	
13.4	Is the sample component relative retention time (RRT) within ± 0.06 RRT units of the RRT of the standard component from the most recent continuing calibration?	X		
13.5	Was Nafion dryer used?		X	
14.0	**Tentatively Identified Compounds (TIC)**			
14.1	Are all Tentatively Identified Compound Forms [Form I-TIC] present and are retention time, estimated concentration and "JN" qualifier listed corresponding to each TIC?		X	
14.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following?			
	a. Samples			X
	b. Blanks			X
14.3	Are all ions present in the reference mass spectrum with a relative intensity greater than 10 % also present in the sample mass spectrum?			X
14.4	Do TIC and "best match" standard relative ion intensities agree within 20 %?			X
15.0	**Initial Calibration and System Performance [Form VI/Equivalent]**			
15.1	Were each GC/MS system calibrated at 5 concentrations that span the monitoring range of the interest in an initial calibration sequence to determine the sensitivity and the linearity of the GC/MS response for the target compounds?	X		
15.2	Was the same volume introduced into the trap consistently for all field and QC-sample analyses?	X		

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
15.3	Was the area response (Y) at each calibration level within ± 40 % of the mean area response (mean Y) over the initial calibration range for each Internal Standard?	X		
	Did the laboratory tabulate the area response (Y) of the primary ions and the corresponding concentration for each compound and Internal Standard?	X		
15.4	Are the relative retention times (RRTs) for each of the target compounds at each calibration level within ± 0.06 RRT units of the mean relative retention time for the compound?	X		
15.5	Are all individual RRF and average RRFs ≥ 0.050?	X		
15.6	Are the response factors (RF) stable i.e., % Relative Standard Deviation (%RSD) ≤ 40.0 %?	X		
15.7	Are there any transcription/calculation errors in the reporting of average response factors (RRFs) or %RSDs?		X	
15.8	Are the RT shift for each Internal Standard (IS) at each calibration level within 20 seconds of the mean RT over the initial calibration range of each IS?	X		
16.0	**Daily Calibration (Form VII/Equivalent)**			
16.1	Are the daily Calibration Forms [Form VII/Equivalent] present and complete for the volatile fraction?	X		
16.2	Has the daily calibration standard (20 ppbv total scan, 0.1 ppbv SIM) been analyzed for every twenty-four hours of sample analysis per instrument after the BFB tuning analysis?	X		
16.3	Do any volatile compounds have a % Difference (%D) between the initial and daily RRFs which exceed the ± 30 % criteria?		X	
16.4	Are there any transcription/calculation errors in the reporting of the average response factors (RRF) or % difference (%D) between initial and daily RRFs?		X	
17.0	**Compound Quantitation and Reported Detection Limits**			
17.1	Are there any transcription/calculations errors in Form I results?		X	
17.2	Are the reported detection limits adjusted to reflect sample dilutions?	X		
17.3	Have any target compound concentrations exceeded the calibration range of the GC?		X	
17.4	Was more than one method of quantitation used to calculate sample results within a batch or 24-hour analytical sequence?		X	
17.5	Did the lab report the target compounds below CRQLs with the suffix "J"?			X
18.0	**Internal Standards (Form VIII/Equivalent)**			
18.1	Are the 3 internal standard areas [Form VIII] of every sample, LCS, PE, and blank within the upper and lower limits (+ 40 % to – 40 %) for each continuing calibration or 10 ppbv level of initial calibration?	X		
18.2	Are the internal standard retention times in each sample, LCS, PE, and blank within 20 seconds of the corresponding retention times in the associated calibration standard?	X		
19.0	**Mass Spectral Interpretation/Identification**			
19.1	Are the Organic Analysis Data Sheets present with required header information on each page, for each of the following:			
	a. Samples and/or fractions as appropriate?	X		

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
	b. Laboratory Control Samples?	X		
	c. Blanks?	X		
19.2	Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (quant reports) included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?	X		
	b. Laboratory Control Samples?	X		
	c. Blanks?	X		
19.3	Is chromatographic performance acceptable with respect to:			
	a. Baseline stability?	X		
	b. Resolution?	X		
	c. Peak shape?	X		
	d. Full-scale graph (attenuation)?	X		
	e. Other:			X
19.4	Are the lab-generated standard mass spectra of the identified compounds present for each sample?	X		
19.5	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	X		
19.6	Are all ions present in the reference standard mass spectrum at a relative intensity greater than 10 % also present in the sample mass spectrum?	X		
19.7	Do sample and reference standard relative ion intensities agree within ± 20 %?	X		
20.0	**Field Duplicates**			
15.1	Were any field duplicates submitted for VOA analysis?		X	