107 UNION STREET

BROOKLYN, NEW YORK

Remedial Investigation Report

NYC VCP Site Numbers: 12CVCP054K

Prepared for:

Passiv House Xperimental LLC
131 Union Street
Brooklyn, New York 11231

Prepared by:

Laurel Environmental Associates, Ltd.
53 West Hills Road, Suite 1
Huntington Station, New York 11746
(631) 673 0612

March 2012

REMEDIAL INVESTIGATION REPORT
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LIST OF ACRONYMS

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

C E R T I F I C A T I O N

I, Scott A. Yanuck, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 107 Union Avenue Site, (NYC VCP Site No. 12CVCP054K). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Scott A. Yanuck	March 28, 2012	
Qualified Environmental Professional	Date	Signature

E X E C U T I V E S U M M A R Y

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

Site Location and Current Usage

The Site is located at 107 Union Street in the Columbia Street section in Brooklyn, New York and is identified as Block 335 and Lot 42 on the New York City Tax Map. Figure 1.0 shows the Site location. The Site is 2,300-square feet and is bounded by residential properties to the north, Union Street to the south, mixed-use residential and commercial properties to the east, and industrial, manufacturing, and commercial properties to the west. A map of the site boundary is shown in Figure 2.0. Currently, the Site is vacant, undeveloped parcel, covered with grass, gravel, and weeds.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a 4,600 square foot, two-family, four-story residential building with a ground floor studio apartment. Layout of the proposed site development is presented in Figure 3.0. The current zoning designation is M1-1, high performance light manufacturing. Although the proposed usage at the property is inconsistent with existing zoning, a Board of Standards and Appeals (BSA) calendar #134-10-BZ has been issued for the construction of a Group 2 (residential) building within this manufacturing zone.

The proposed building will be slab-on-grade, and soils will be excavated in locations of building footings and the elevator pit to a depth of approximately 4’ below current grade and will be excavated to 2’ below grade over the remainder of the property. The depth to groundwater at the site is approximately 7’ below grade and will not be encountered during excavation. To the north of the building will be a rear courtyard.

Summary of Past Uses of Site and Areas of Concern

According to Mr. Hernan Galvis, a representative of Passiv House Xperimental LLC, the property was previously occupied by a slab-on-grade one-story live poultry market and slaughterhouse, which was destroyed by a fire circa 2006. The remains of the former building were demolished circa 2007. Historical Sanborn maps confirm that the property previously maintained 'Lees Live Poultry Market' from sometime between 1915 and 1938, until at least 2007, after which there are no available Sanborn maps.

The AOCs identified for this site include:

1. A former live poultry market and livestock slaughterhouse occupied the Site for approximately 60 years, and was demolished circa 2007. Concern is for historic fill, building debris and possible heating oil usage at the site.

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed two soil borings across the entire project Site, and collected four soil samples for chemical analysis, to establish soil quality at the Site;
3. Installed one on-site groundwater monitoring well and collected one groundwater samples for filtered and unfiltered chemical analysis to evaluate groundwater quality;
4. Installed two soil vapor probes around Site perimeter and collected two samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from 14 to 15 feet.
2. Depth to groundwater ranges from 5 to 7 feet at the Site.
3. Groundwater flow is generally from east to west beneath the Site, towards the New York New Jersey Upper Bay.
4. Depth to bedrock is expected to be approximately 100 feet below grade at the Site.
5. The known stratigraphy in the area of the site is considered to be ~6 feet of urban fill, followed by fine silty sand up to 12 feet (end of borings) and fine to medium grained sands to 32 feet and up to 100 feet the Upper Glacial aquifer, which is likely underlain directly by bedrock.

6. Soil/fill samples collected during the RI showed detections of VOCs at depths of 0-2 feet and 10-12 feet below grade which did not exceed the NYSDEC Part 375 Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs). Several semi volatile organic compounds (SVOCs) were detected in both soil samples collected from 0-2 feet below grade interval, at concentrations slightly exceeding the NYSDEC Restricted Use (Track 2) Restricted-Residential SCOs; these included benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene. The RI showed elevated concentrations of two metals (lead and mercury) slightly exceeding the Track 2 Restricted-Residential SCOs in the both samples collected from 0-2 feet below grade interval. Pesticides were detected at elevated concentrations in both samples in the 0-2 feet below grade interval, with 4,4'-DDT exceeding the Track 2 Restricted-Residential SCOs but below the Track 2 Commercial SCOs and 4,4'-DDE exceeding the Track 2 Residential SCOs but below the Track 2 Restricted-Residential SCOs. SVOCs, metals, or pesticides were not detected at concentrations exceeding the Track 1 SCOs from the 10-12 foot below grade interval. The RI did not show any detections of PCBs at the site at any depth.
7. A groundwater sample collected at the site during the RI indicated that VOCs, SVOCs, pesticides, and PCBs did not exceed their respective NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Groundwater Quality Standards (GWQS). Several metals (arsenic, beryllium, manganese, selenium, and iron) were detected in the unfiltered groundwater sample collected from B-1W at concentrations exceeding their respective GWQS. In the filtered sample collected at the same location, only selenium slightly exceeded the GQWS.
8. Soil vapor samples collected during the RI showed a wide variety of VOCs at low concentrations consisting mainly of BTEX and associated compounds. These compounds are most commonly associated with a spill of automotive fuel or heating oil. The absence of MTBE in vapor suggests an older spill, possibly located off-site. Past uses of the property do not indicate automotive fueling activities or other automotive fuel sources, but may have included the use of heating oil. Carbon tetrachloride, 1,1,1-trichloroethane, tetrachloroethylene, and trichloroethylene were not detected in both soil vapor samples. Soil samples (both deep and shallow) did not contain any VOCs in excess of Track 1 SCOs. Groundwater did not contain any VOCs. Together, these observations suggest an offsite source area. While no standards exist for soil vapor, no compounds exceed the

Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Final October 2006).

R E M E D I A L I N V E S T I G A T I O N R E P O R T

1.0 SITE BACKGROUND

Passiv House Xperimental LLC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.06-acre site located at 107 Union Street in Columbia Street section of Brooklyn, New York. Residential use is proposed for the property. The RI work was performed on January 21, 2011 and March 8, 2012. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 107 Union Street in the Columbia Street section in Brooklyn, New York and is identified as Block 335 and Lot 42 on the New York City Tax Map. Figure 1.0 shows the Site location. The Site is 2,300-square feet and is bounded by residential properties to the north, Union Street to the south, mixed-use residential and commercial properties to the east, and industrial, manufacturing, and commercial properties to the west. A map of the site boundary is shown in Figure 2.0. Currently, the Site is vacant and undeveloped, and covered with grass, gravel, and weeds.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Site will consist of a 4,600 square foot, two-family, four-story residential building with a ground floor studio apartment. Layout of the proposed site development is presented in Figure 3.0. The current zoning designation is M1-1, high performance light manufacturing. Although the proposed usage at the property is inconsistent with existing zoning, a Board of Standards and Appeals (BSA) calendar #134-10-BZ has been issued for the construction of a Group 2 (residential) building within this manufacturing zone.

The proposed building will be slab-on-grade, and soils will be excavated in locations of building footings and elevator pit to a depth of approximately 4’ below current grade and will be

excavated to 2' below grade over the remainder of the property. The depth to groundwater at the site is approximately 7' below grade and will not be encountered during excavation. To the north of the building will be a rear courtyard.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The property lies within a manufacturing neighborhood, with scattered single and two-family homes and small commercial units. Many of the manufacturing properties are single story, occupying between 5,000 and 10,000 square feet, whilst commercial and residential properties are generally two and three stories high. A large three-story strip of commercial units occupies the area to the east of the subject property, while a number of one-story commercial and industrial properties are located to the west of the Site. Union Street lies to the south, and a number of three-story residential properties are to the north. There is one sensitive receptor within a 500-foot radius of the Site. Cobble Hill Playgroup Inc., listed on the OER's *SPEED* application as a Daycare Center, is located approximately 490 feet to the east-southeast of the Site. Special care must be taken to ensure this facility is not adversely affected by remedial work.

Figure 4.0 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

According to Mr. Hernan Galvis, a representative of Passiv House Xperimental LLC, the property was previously occupied by a slab-on-grade one-story live poultry market and slaughterhouse, which was destroyed by a fire circa 2006. The remains of the building were demolished circa 2007. Historical Sanborn maps confirm that the property previously maintained 'Lees Live Poultry Market' from sometime between 1915 and 1938, until at least 2007, after which there are no available Sanborn maps.

2.2 PREVIOUS INVESTIGATIONS

A Phase II Environmental Subsurface Investigation was conducted by EEA Inc. February 2011. Two soil borings (B-1, B-2) were installed at the site. The shallow soil samples indicate SVOCs, metals, and pesticides contaminated exceeding the Track 2 Restricted-Residential SCOs, with the exception of one pesticide exceeding the Track 2 Residential SCOs. Shallow VOCs were detected, but did not exceed Track 1 SCOs. The deep soil samples indicate that VOCSs, SVOCs, metals, and pesticides did not exceed the Track 1 SCOs. PCBs were not detected throughout the site. A groundwater sample indicated that VOCs, SVOCs, pesticides, and PCBs did not exceed their GWQS. An unfiltered groundwater contained elevated levels of several metals above their respective GWQS. A filtered sample from the same location indicated that only selenium slightly exceeded the GWQS.

2.3 SITE INSPECTION

The site inspection found a single parcel of land between two in-use commercial buildings, with a fence spanning the front of the vacant parcel. Some vegetation, including grassy areas and weeds were noted throughout the property, although the majority of the property was covered with loose dirt and gravel.

2.4 AREAS OF CONCERN

The AOCs identified for this site include:

1. A former live poultry market and livestock slaughterhouse occupied the Site for approximately 60 years, and was demolished circa 2007. Concern is for historic fill, building debris and possible heating oil usage at the site.

Phase 1 Report is presented in Appendix A.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Professional (QEP) responsible for preparation of this RIR is Scott A. Yanuck.

3.2 HEALTH AND SAFETY

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

3.3 MATERIALS MANAGEMENT

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

EEA and Laurel Environmental Associates, Ltd. performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed two soil borings across the entire project Site, and collected four soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed one on-site groundwater monitoring well and collected one groundwater samples for filtered and unfiltered chemical analysis to evaluate groundwater quality;
4. Installed two soil vapor probes within the Site (both within living spaces of the proposed building) and collected two samples for chemical analysis.

4.1 GEOPHYSICAL INVESTIGATION

No geophysical surveys were conducted, and due to the slab-on-grade construction and limited excavations proposed at the Site, none are deemed necessary.

4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

Soil borings were completed to 12 feet below grade at two predetermined locations on January 21, 2011, using a Geoprobe LT54 drill rig and the dual tube sampling system. Samples were collected utilizing a 2” diameter 4’ macro-core sampler with an acetate liner. The collected samples were cut open, photographed, field-screened by visual, olfactory and calibrated PID, and logged prior to placing in sample containers. Soils from 0-6’ were comprised of fine silty sands with some asphalt and brick. Soils from 6-8’ were comprised of tan silty sands with trace fine gravel. Soils from 8-12’ were comprised of fine silty tan sands. Visual and olfactory field screening found no evidence of contamination, and 0.0ppm was registered on the PID for all samples.

Boring logs were prepared by a geotechnical engineer are attached in Appendix C. A map showing the location of soil borings and monitor wells is shown in Figure 3.0.

Groundwater Monitoring Well Construction

One temporary PVC screen monitoring well was installed from boring location B-1. A groundwater sample (B-1W) was collected from the well using an inertial pump consisting of a stainless steel check valve and ball. The screen interval was set at 8 to 12 feet.

Monitor well location is shown in Figure 3.0.

Water Level Measurement

The monitoring well was gauged and the depth to water was found to be approximately 7 feet. Water levels are likely to fluctuate at this site due to tidal influence.

4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

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

Soil Sampling

Soil sampling using the GeoProbe LT54 sampling system provides a high level of sample quality. The outer rods provide a casing so that the deeper sample can be collected without being mixed with material that could fall into the borehole from above. A new liner is utilized for each 4 foot sampling interval. The rods and cutting shoes are decontaminated between boreholes using Alconox and rinsed with fresh water and then distilled water. Four soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1.1 to 1.4. Figure 3.0 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

Disposable polyethylene tubing was used in conjunction with an inertial pump to collect the groundwater sample, so no decontamination was necessary. Since the well was a pre-pack well which was installed and developed the same day, no additional purging was necessary. One groundwater sample was collected for chemical analysis during this RI. Groundwater sample collection data is reported in Table 2. Figure 3.0 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

A GeoProbe 6610 was utilized to set soil vapor points at five feet below grade, a depth just below the base of the proposed building slab. Once the sampling points were set in glass bead and sealed with bentonite above, a helium tracer gas was applied using the recommended bucket apparatus and a helium detector was used to confirm a sufficient seal at the surface.

Two soil vapor probes were installed and two soil vapor samples were collected for chemical analysis during this RI. The soil vapor sampling location is shown in Figure 3.0. Soil vapor sample collection data is reported in Table 3. Soil vapor sampling logs are included in Appendix G. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Scott A. Yanuck
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is York Analytical Laboratory, NYS ELAP certified (10854)
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15, NYSDOH required reporting limits

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 1, 2 and 3, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendices D and E.

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Kings County is located in the Atlantic Coastal Plain physiographic province that is characterized by low hills of unconsolidated sands, gravel, and silt. According to Franke (1972), regionally, the near-surface sediments consist of the Upper Glacial deposits that are characterized by southward sloping deposits of sand, gravel, and silt. The Upper Glacial deposits have a maximum thickness of 600 feet. They are underlain by the Magothy, Raritan, and Lloyd Formations. The Gardeners clay and the Jameco gravel separate the Upper Glacial deposits and the Magothy Formation along the southwest portion of Long Island. Due to less surfacial contamination and higher well yields, the Magothy aquifer is the main supply for drinking and industrial water. Consequently, the USEPA has identified it as a Sole Source Aquifer. The subject site is in the Upper Glacial aquifer. Pump test data suggests hydraulic conductivity between the Magothy and Upper Glacial aquifers. However, discontinuous clay lenses may prevent this interaction in some areas.

According to the United States Department of Agriculture Soil Survey Classification and Nomenclature System, this soil would likely be referred to as Urban Land, because the original composition and structure of the soil has been significantly altered by urbanization and development activities. Based on groundwater contour maps obtained from the United States Geological Survey, regional ground water flows in a southerly direction.

Stratigraphy

The site soils consist of 6 to 6.5 feet of fill material, construction debris, cinders and coal, followed by fine well sorted sands to the end of boring, which is 10 feet. According to a geotechnical boring conducted in December 2007, a fine to medium grained sand extended to the end of their boring at 32 feet below grade.

Hydrogeology

Groundwater was expected at approximately 10 feet below grade, with a general flow direction from the east to the west. Groundwater was found to be 7 feet below grade utilizing an on-site groundwater monitoring well.

5.2 SOIL CHEMISTRY

The results of chemical testing of soil and fill materials at the site are as follows:

Soil/fill samples collected during the RI showed detections of VOCs at depths of 0-2 feet and 10-12 feet below grade which did not exceed the NYSDEC Part 375 Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs). Several semi volatile organic compounds (SVOCs) were detected in both soil samples collected from 0-2 feet below grade interval, at concentrations slightly exceeding the NYSDEC Restricted Use (Track 2) Restricted-Residential SCOs; these included benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene. The RI showed elevated concentrations of two metals (lead and mercury) slightly exceeding the Track 2 Restricted-Residential SCOs in the both samples collected from 0-2 feet below grade interval. Pesticides were detected at elevated concentrations in both samples in the 0-2 feet below grade interval, with 4,4'-DDT exceeding the Track 2 Restricted-Residential SCOs but below the Track 2 Commercial SCOs and 4,4'-DDE exceeding the Track 2 Residential SCOs but below the Track 2 Restricted-Residential SCOs. SVOCs, metals, or pesticides were not detected at concentrations exceeding the Track 1 SCOs from the 10-12 foot below grade interval. The RI did not show any detections of PCBs at the site at any depth.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 1.1 to 1.4. Figure 3.0 shows the location and posts the values for soil/fill that exceed the NYSDEC Part 375-6.8 Unrestricted Use Soil Cleanup Objectives.

5.3 GROUNDWATER CHEMISTRY

The results of chemical testing of groundwater at the site are as follows:

A groundwater sample collected at the site during the RI indicated that VOCs, SVOCs, pesticides, and PCBs did not exceed their respective NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Groundwater Quality Standards (GWQS). Several metals (arsenic, beryllium, manganese, selenium, and iron) were detected in the unfiltered groundwater sample collected from B-1W at concentrations exceeding their respective GWQS. In the filtered sample collected at the same location, only selenium slightly exceeded the GQWS.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 2.0. Exceedance of applicable groundwater standards is shown.

Figure 3.0 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 SOIL VAPOR CHEMISTRY

The results of chemical testing of groundwater at the site are as follows:

Soil vapor samples collected during the RI showed a wide variety of VOCs at low concentrations consisting mainly of BTEX and associated compounds. These compounds are most commonly associated with a spill of automotive fuel or heating oil. The absence of MTBE in vapor suggests an older spill, possibly located off-site. Past uses of the property do not indicate automotive fueling activities or other automotive fuel sources, but may have included the use of heating oil. Carbon tetrachloride, 1,1,1-trichloroethane, tetrachloroethylene, and trichloroethylene were not detected in both soil vapor samples. Soil samples (both deep and shallow) did not contain any VOCs in excess of Track 1 SCOs. Groundwater did not contain any VOCs. Together, these observations suggest an offsite source area. While no standards exist for soil vapor, no compounds exceed the Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Final October 2006).

Based on the presence of VOCs the installation of a vapor barrier is warranted at this site.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 3.

Figure 3 shows the location and posts the values for soil vapor samples with detected concentrations.

5.5 PRIOR ACTIVITY

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

5.6 IMPEDIMENTS TO REMEDIAL ACTION

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

Site-Specific Standards, Criteria and Guidance

- 6 NYCRR Part 371 - Identification and Listing of Hazardous Wastes
- 6 NYCRR Part 375 - Inactive Hazardous Waste Disposal Sites
- 6 NYCRR Parts 700-706 - Water Quality Standards (June 1998)
- STARS #1 - Petroleum-Contaminated Soil Guidance Policy
- TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations
- Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (October 1994)
- Technical Guidance for Screening Contaminated Sediments (January 1999)
- NYSDOH Indoor Air Sampling & Analysis Guidance (August 8, 2001 or subsequent update)
- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (draft October 2004 or subsequent final draft)
- DER Interim Strategy for Groundwater Remediation at Contaminated Sites in New York State
- 6 NYCRR Part 612 - Registration of Petroleum Storage Facilities (February 1992)
- 6 NYCRR Part 613 - Handling and Storage of Petroleum (February 1992)
- 6 NYCRR Part 614 - Standards for New and Substantially Modified Petroleum Storage Tanks (February 1992)
- 40 CFR Part 280 - Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks

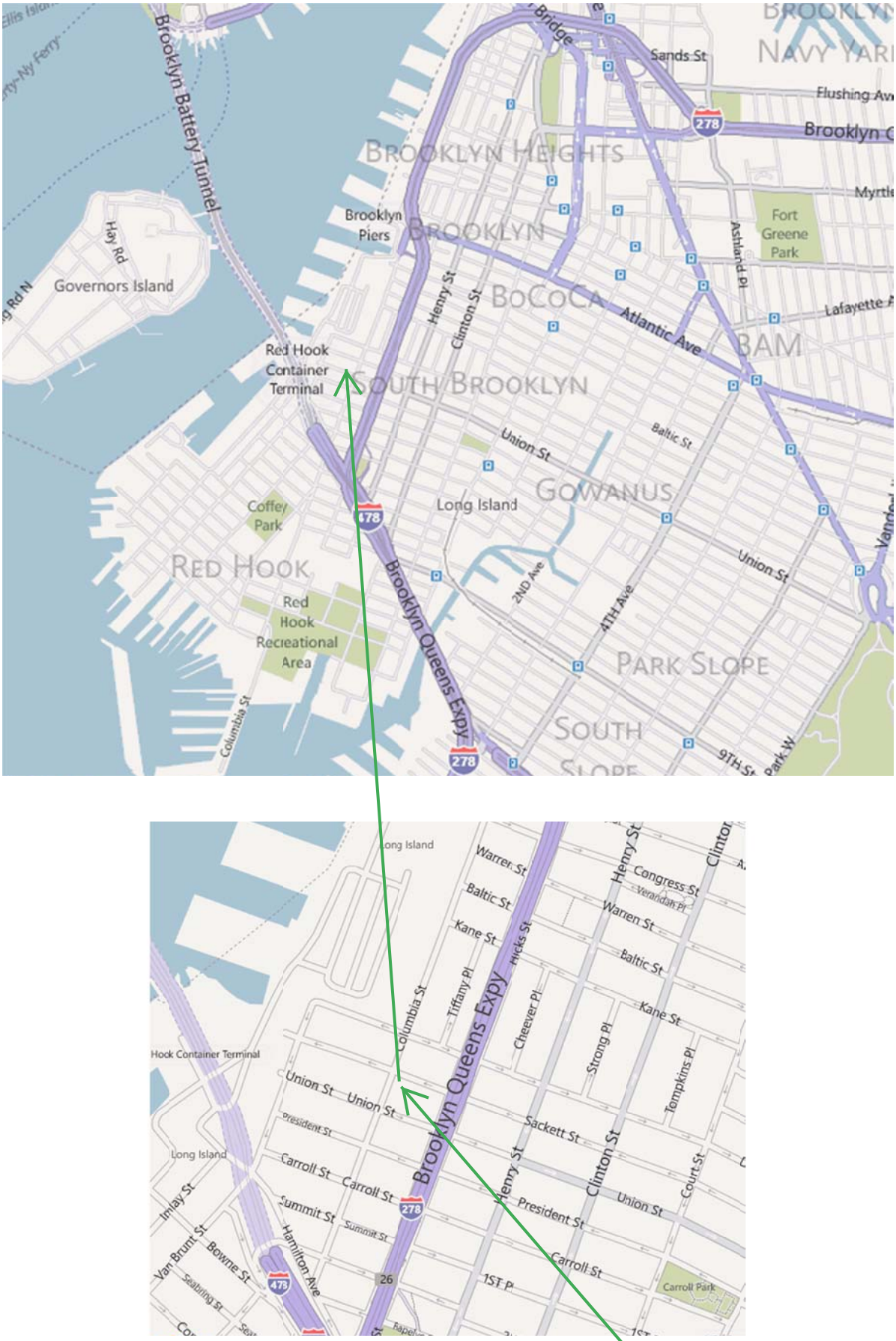


Figure 1.0 Site Location
107 Union Street
Brooklyn, New York

USGS **New York, New York, United States** 01 Jul 1981

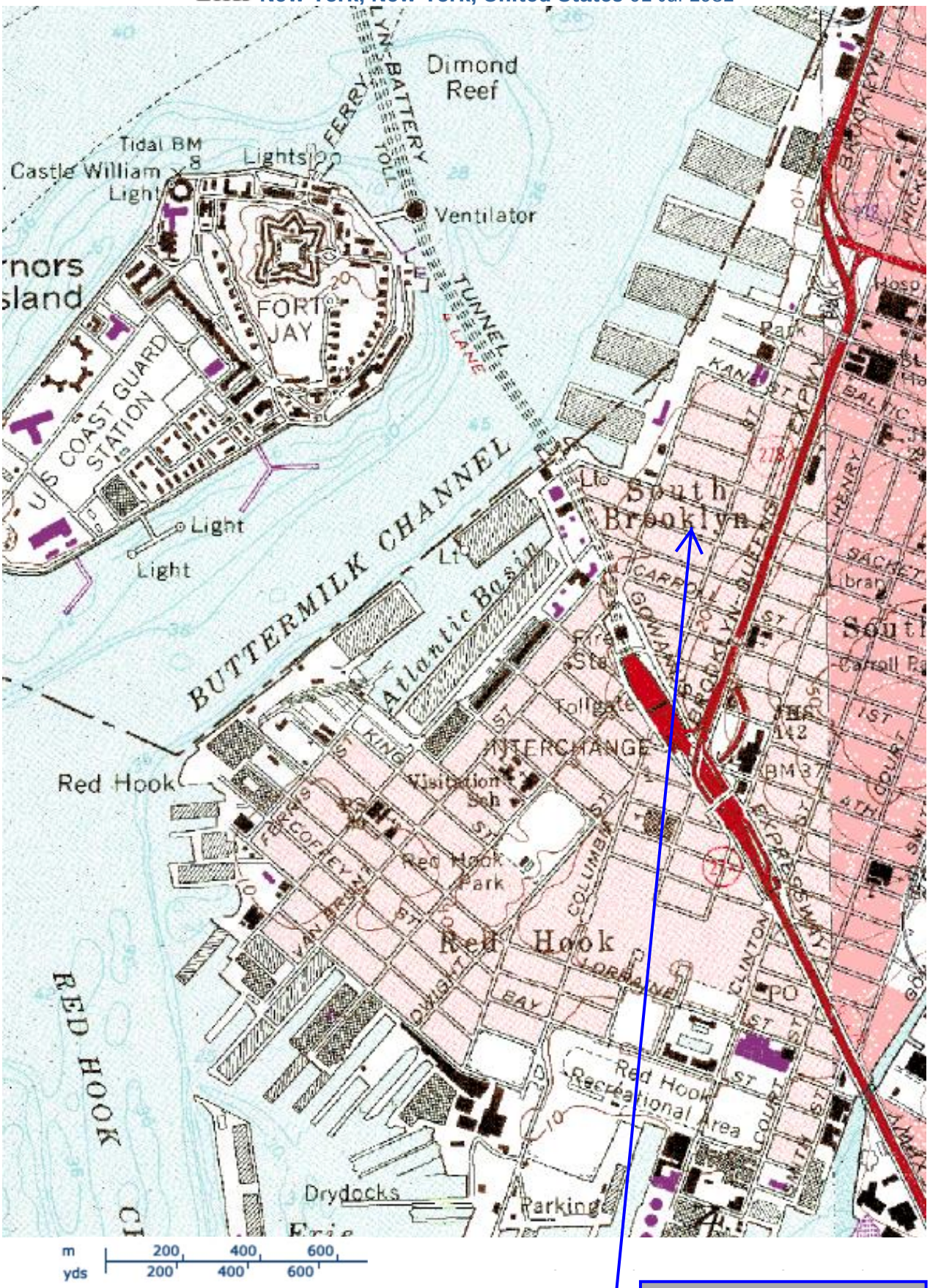


Figure 2.0 Topographic Map
213 Columbia Street
Brooklyn, New York

Industrial/Manufacturing Properties

Mixed-use Properties

Transportation and Utility

Laurel ENVIRONMENTAL ASSOCIATES, LTD.

53 West Hills Road, Suite 1
Huntington Station, NY 11746

PHONE: 631-673-0612
FAX: 631-427-5323

WWW.LAURELENV.COM

FIGURE 4.0
MAP OF SURROUNDING PROPERTY USAGE

107 Union Street
Brooklyn, New York

PROJECT #: 12-152

DRAWING DATE: 3-19-2012

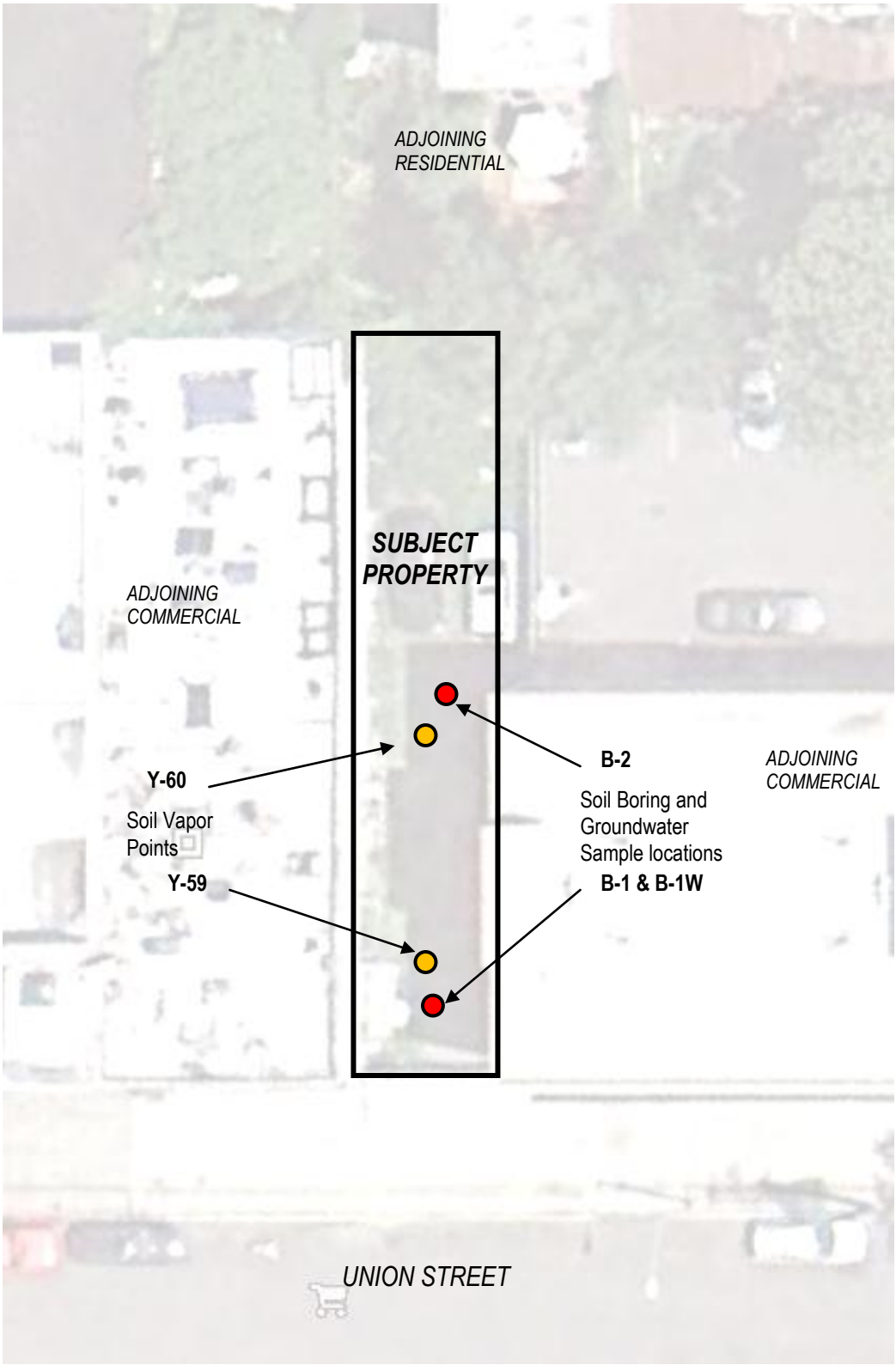
DRAWN BY: CJC

CHECKED BY: TJ

N

NOT TO SCALE

LEA makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.



Laurel
ENVIRONMENTAL
ASSOCIATES, LTD.

53 West Hills Road, Suite 1
Huntington Station, NY 11746

PHONE: 631-673-0612
FAX: 631-427-5323

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FIGURE 3.0
SITE SKETCH AND SAMPLE LOCATION MAP

107 Union Street
Brooklyn, New York

PROJECT #: 12-152

DRAWING DATE: 3-19-2012

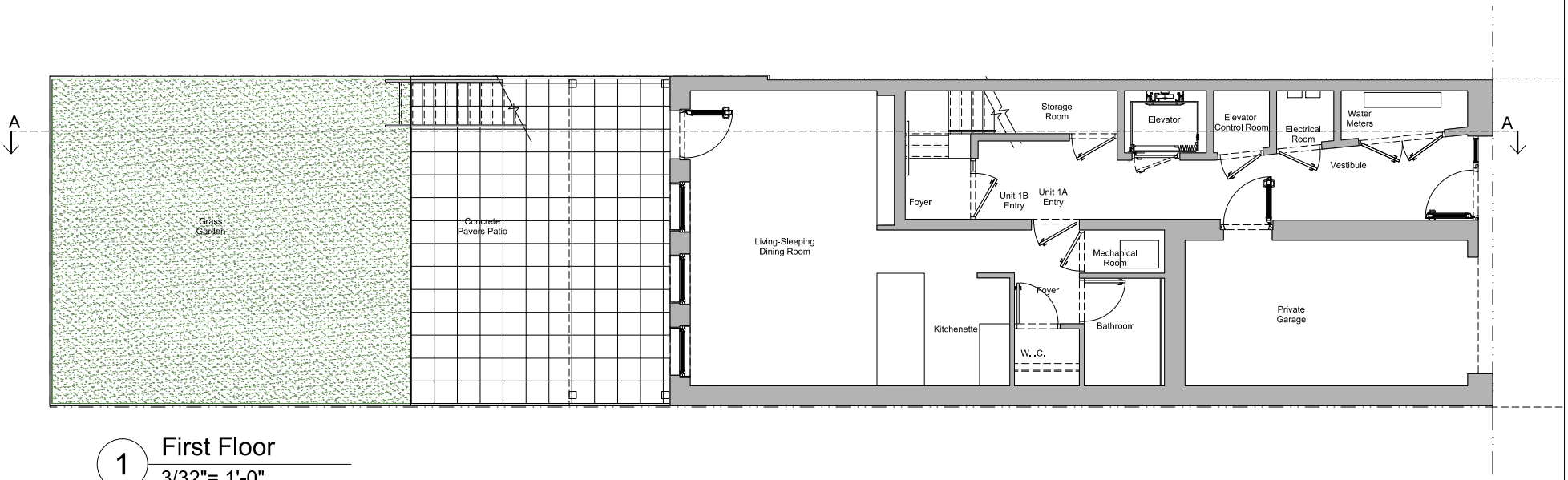
DRAWN BY: CJC

CHECKED BY: TJ

N

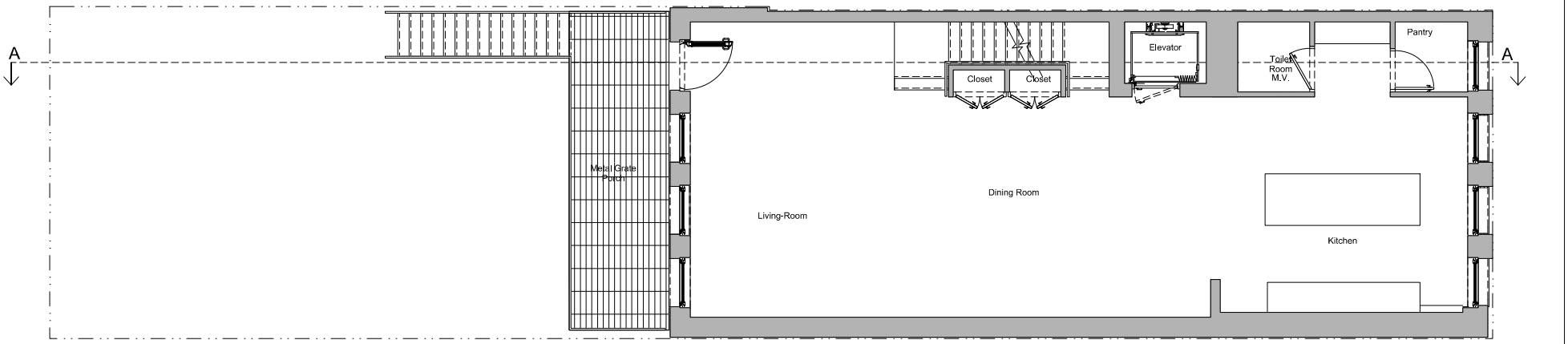
NOT TO SCALE

LEA makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.



1 First Floor

3/32"= 1'-0"



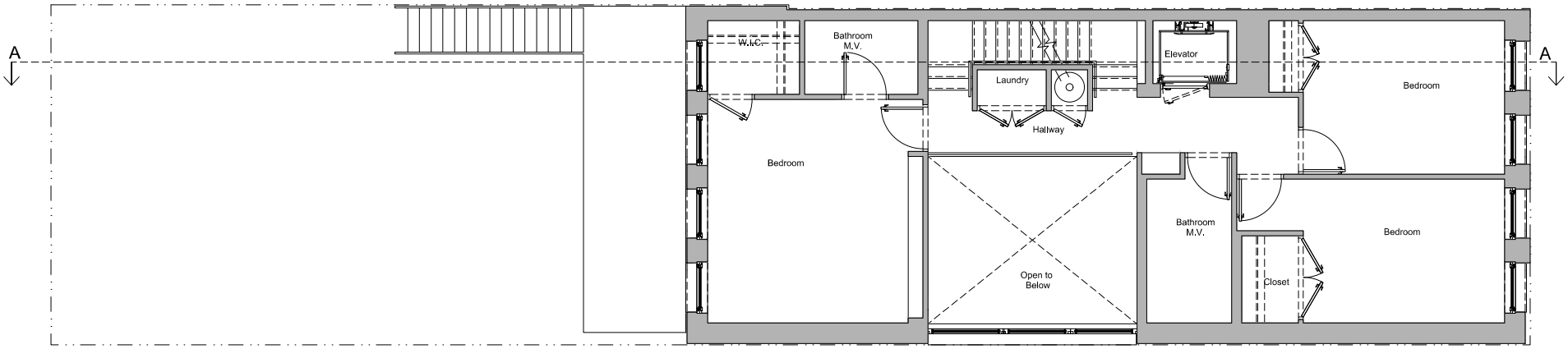
2 Second Floor

3/32"= 1'-0"

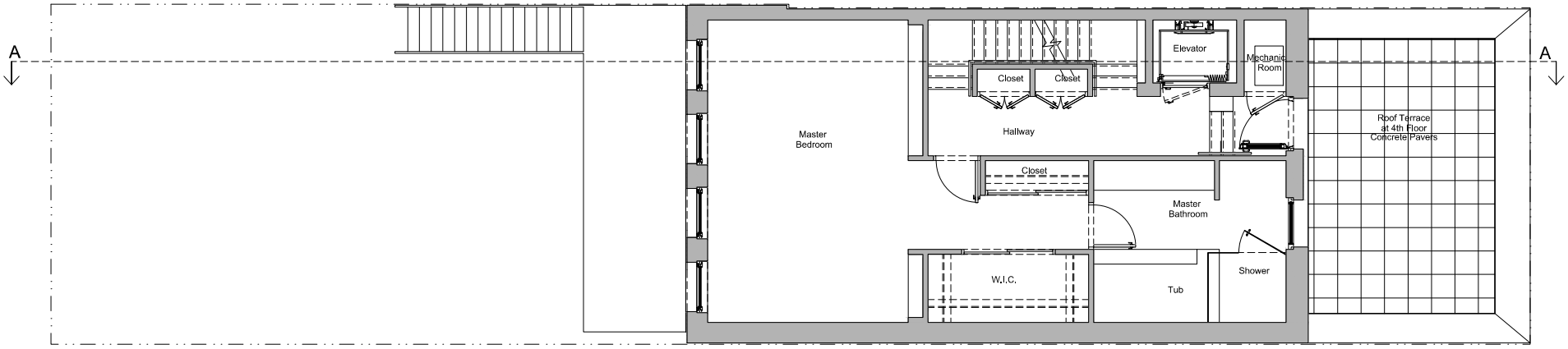
107 Union st.

1st & 2nd Floors

Scale: 3/32"= 1'-0"	Checked: HG	Project Code:	dwg #
Date: 02-17-2012	Revision:	08-03'	5.01



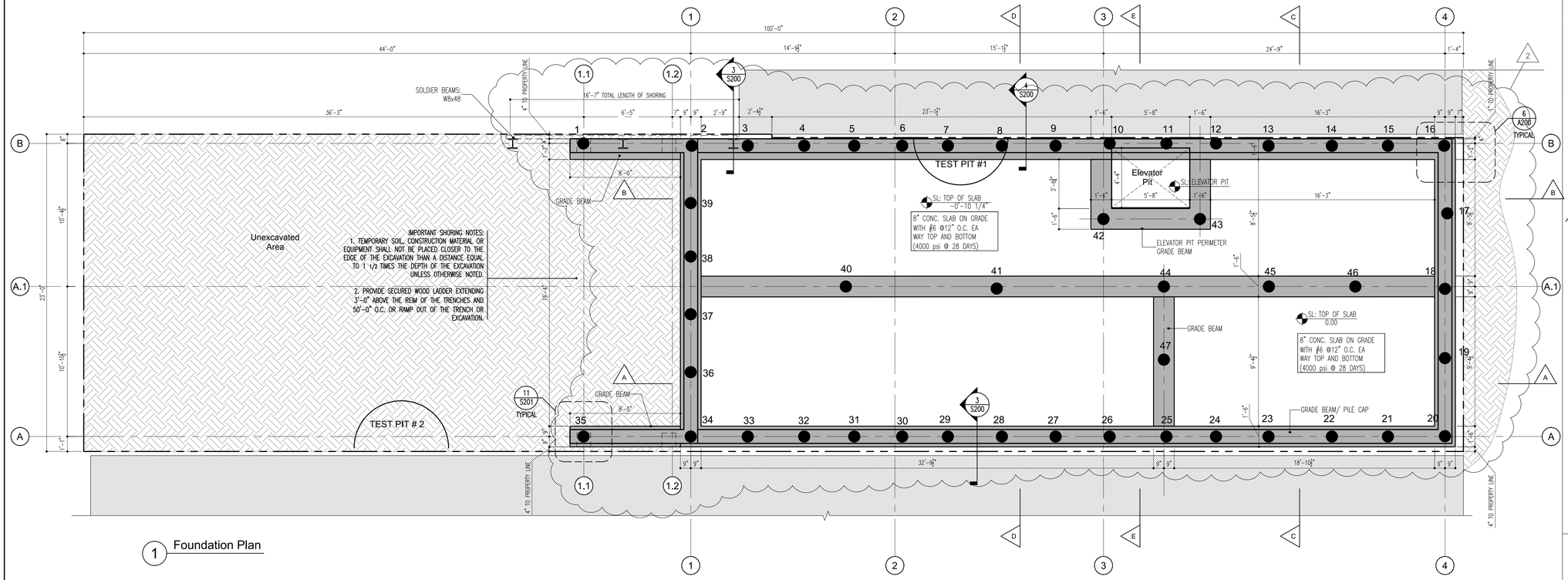
3 3rd Floor
3/32"= 1'-0"



4 4th Floor
3/32"= 1'-0"

107 Union st. .02

Scale: 3/32"= 1'-0"	Checked: HG	Project Code:	dwg #
Date: 02-17-2012	Revision:	08-03	5.02

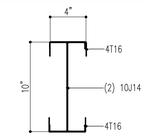


1 Foundation Plan

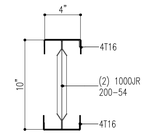
LEGEND:

- CMU WALL
- SPECIAL ELEVATION FOR CONCRETE SLAB
- CONCRETE SLAB/ FOOTING
- CONCRETE FOUNDATION WALL
- Insulation/ Foam Glass Blocks
- DIRECTION OF DECK
- COLUMN DOWN
- COLUMN UP
- CHANGE OF ELEVATION ON SLAB
- W8 x15 [0'-5"] — SHAPE TYPE, DEPTH, WEIGHT; BEAM INDICATOR; TOP OF STEEL
- HELICAL PILE
- TYPICAL HEADER
- BRP — BEARING PLATE: 14"x7"x 1 1/2" Typ.
- STAINLESS STEEL REBAR; CONTINUOUS FOAM GLASS BLOCK COURSE; CMU WALL
- * INDICATES POCKET IN FOUNDATION WALL TO ACCOMMODATE BEAM OR BOX HEADER
- INDICATES HEAVY GAUGE STEEL BEARING WALL
- MOMENT CONECTIONS

ALL BEAM TO BEAM AND BEAM TO POST ARE MOMENT CONNECTED, SEE TYPICAL DETAILS



HEADER TYPE 1



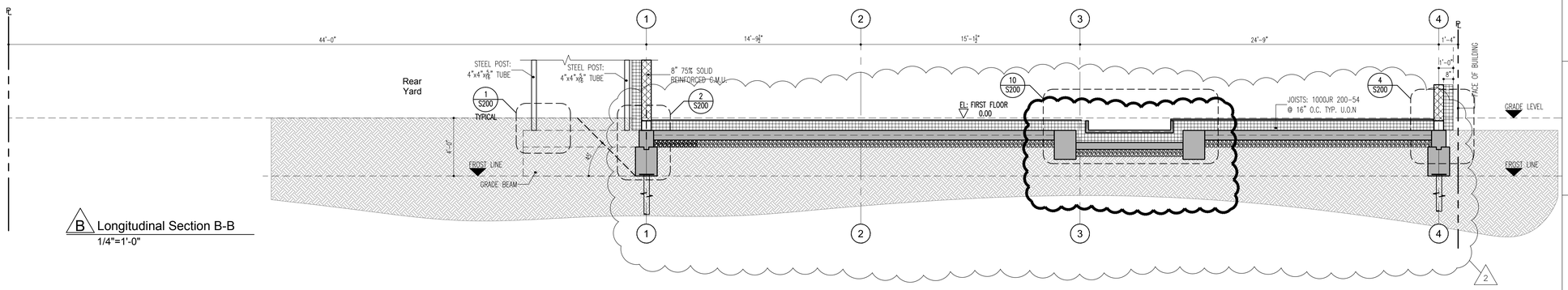
HEADER TYPE 2

GENERAL NOTES:

1. COORDINATE CORE-DRILL PERFORATIONS ON CONCRETE SLAB AT MECHANICAL ROOMS, CHASE WALLS, VENTILATION SHAFTS, and PLUMBING, ETC. WHERE APPLICABLE
2. FOR METAL STUD CONSTRUCTION DETAILS, SEE SHEETS S-202, S-203 AND S-205
3. COORDINATE WINDOW LINTEL LOCATIONS AND ROUGH OPENINGS WITH ARCHITECTURAL FLOOR PLANS AND BUILDING ELEVATIONS.

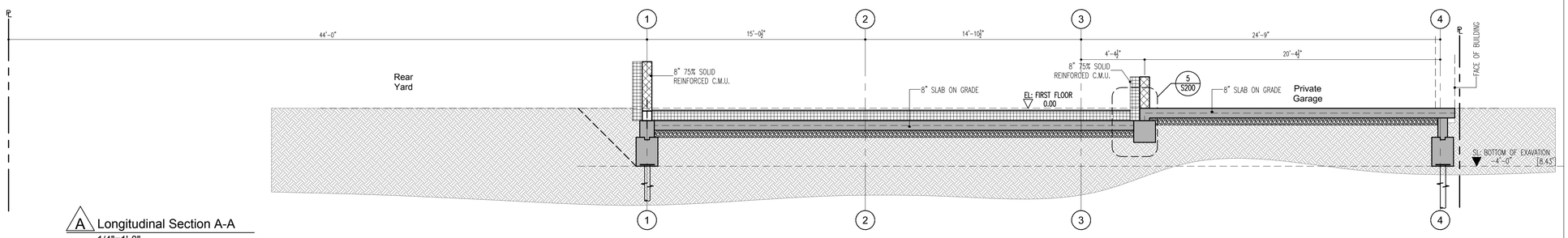
FOUNDATION NOTES:

1. ACCORDING TO THE BORING TESTS, THE DEPTHS OF ALL PROPOSED FOOTINGS ARE SUCH THAT THEY ARE BEARING ON MATERIALS WITH A SOIL CLASSIFICATION



B Longitudinal Section B-B

1/4"=1'-0"



A Longitudinal Section A-A

1/4"=1'-0"

4.03

ARCHITECT OF RECORD:
Fractal ARCHITECTURE PLLC.
Hernan J. Galvis R.A. NYS 031134
131 Union st, Brooklyn, NY 11231
T: 718.875.4599

Design Team:
G ateliers

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STRUCTURAL ENGINEER:
ANTHONY GENNARO P.E.
14 BEENA WAY MANALAPAN, N.J. 07726
T: 732-972-8496 F: 732-972-7562

CIVIL ENGINEER:
ATLAS TECHNICAL ASSOCIATES, INC.
60 SACKETT STREET BROOKLYN, NY 11231
T: (718) 625-0747 F: (718) 625-0133

MECHANICAL ENGINEER:
TSF ENGINEERING, P.C.
200 Park Ave. South NY, NY
T: 212.253.7303, F: 212.253.6512

OWNER:
Passiv House Xperimental LLC131 Union st,
Brooklyn, NY 11231
T: 718.875.4599

Drawing scales as indicated are for reference only and are not intended to accurately depict actual or designed conditions. Written dimensions shall govern. Contractor to notify the architect of any discrepancy between field conditions and the drawings.

Revision No.	Date	Remarks
1	1/26/2012	ENGINEERING COORDINATION
2	03/08/2012	DESIGN UPDATE

DOB Stamps and Signatures:

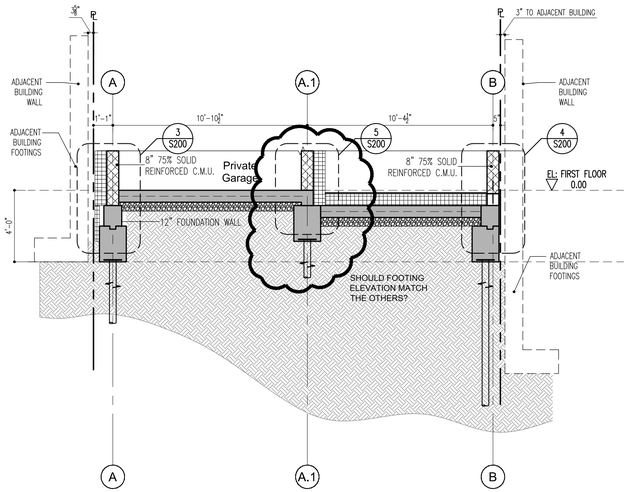
Orient and affix BIS job number label here

Project:
Proposed Building at
107 Union st
Brooklyn, NY 11231
Block: 335, Lot: 42

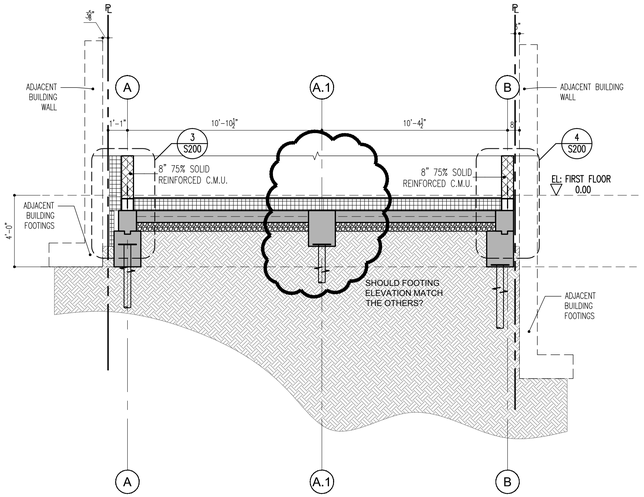
Title:
Foundation Plans and Details

SEAL & SIGNATURE

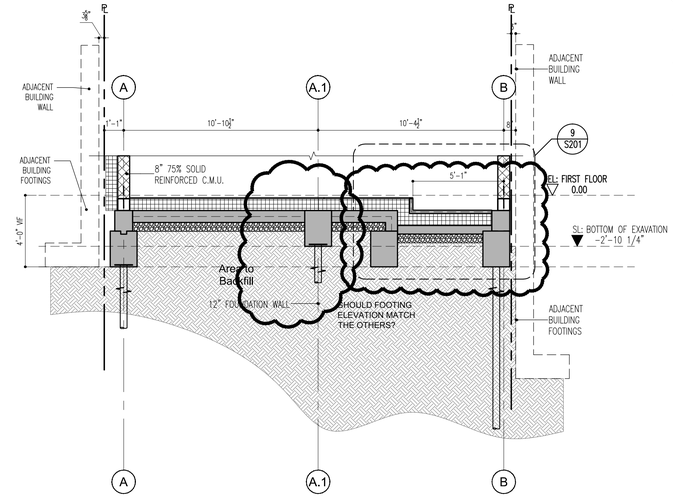
DATE:	Sept 28-2011
PROJECT No:	10-02
DRAWN BY:	OG
CHK BY:	HG
DWG No:	F-001 .02
CADO FILE No:	4 of 12



C Cross Section
1/4"=1'-0"



D Cross Section
1/4"=1'-0"



E Cross Section (Through Elevator Pit)
1/4"=1'-0"

2

F Cross Section (Through Elevator Pit)
1/4"=1'-0"

2

5.04

ARCHITECT OF RECORD:

Fractal ARCHITECTURE PLLC.

Hernan J. Galvis R.A. NYS 031134
131 Union st, Brooklyn, NY 11231
T: 718.875.4599

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Contractor to notify the architect of any discrepancy between field conditions and the drawings.

Revision No.	Date	Remarks
1	1/26/2012	ENGINEERING COORDINATION
2	03/08/2012	DESIGN UPDATE

DOB Stamps and Signatures:

Orient and affix BIS job number label here

Project:
Proposed Building at
107 Union st
Brooklyn, NY 11231
Block: 335, Lot: 42

Title:
Foundation Details

SEAL & SIGNATURE

DATE:	Sept 28-2011
PROJECT No:	10-02
DRAWN BY:	OG
CHK BY:	HG
DWG No:	F-002 .02
CADO FILE No:	5 of 12

Table 1.1

Soil Samples Volatile Organic Analytical Results

107 Union Street, Brooklyn, New York

Sample Identification	S-1	S-2	S-3	S-4	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
Boring Number	B-1 0'-2'	B-1 10'-12'	B-2 0'-2'	B-2 10'-12'	
Sample Date	1/21/2011	1/21/2011	1/21/2011	1/21/2011	
Sample Matrix	Soil	Soil	Soil	Soil	
Units	ug/kg	ug/kg	ug/kg	ug/kg	
Volatile Organic Compounds (µg/kg) - EPA Method 8260					
1,1,1,2-Tetrachloroethane	<12	<12	<12	<12	NS
1,1,1-Trichloroethane	<12	<12	<12	<12	680
1,1,2,2-Tetrachloroethane	<12	<12	<12	<12	NS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	<12	<12	<12	<12	NS
1,1,2-Trichloroethane	<12	<12	<12	<12	NS
1,1-Dichloroethane	<12	<12	<12	<12	270
1,1-Dichloroethylene	<12	<12	<12	<12	330
1,1-Dichloropropylene	<12	<12	<12	<12	NS
1,2,3-Trichlorobenzene	<23	<23	<24	<24	NS
1,2,3-Trichloropropane	<12	<12	<12	<12	NS
1,2,4-Trichlorobenzene	<23	<23	<24	<24	NS
1,2,4-Trimethylbenzene	**6.9**	<12	<12	<12	NS
1,2-Dibromo-3-chloropropane	<23	<23	<24	<24	NS
1,2-Dibromoethane	<12	<12	<12	<12	NS
1,2-Dichlorobenzene	<12	<12	<12	<12	1,100
1,2-Dichloroethane	<12	<12	<12	<12	20
1,2-Dichloropropane	<12	<12	<12	<12	NS
1,3,5-Trimethylbenzene	**3.3**	<12	<12	<12	NS
1,3-Dichlorobenzene	<12	<12	<12	<12	2,400
1,3-Dichloropropane	<12	<12	<12	<12	NS
1,4-Dichlorobenzene	<12	<12	<12	<12	1,800
2,2-Dichloropropane	<12	<12	<12	<12	NS
2-Chlorotoluene	<12	<12	<12	<12	NS
4-Chlorotoluene	<12	<12	<12	<12	NS
Benzene	<12	<12	<12	<12	60
Bromobenzene	<12	<12	<12	<12	NS
Bromochloromethane	<12	<12	<12	<12	NS
Bromodichloromethane	<12	<12	<12	<12	NS
Bromoform	<12	<12	<12	<12	NS
Bromomethane	<12	<12	<12	<12	NS
Carbon tetrachloride	<12	<12	<12	<12	760
Chlorobenzene	<12	<12	<12	<12	1,100
Chloroethane	<12	<12	<12	<12	NS
Chloroform	<12	<12	<12	<12	370
Chloromethane	<12	<12	<12	<12	NS
cis-1,2-Dichloroethylene	<12	<12	<12	<12	250
cis-1,3-Dichloropropylene	<12	<12	<12	<12	NS
Dibromochloromethane	<12	<12	<12	<12	NS
Dibromomethane	<12	<12	<12	<12	NS
Dichlorodifluoromethane	<12	<12	<12	<12	NS
Ethyl Benzene	**4.9**	<12	<12	<12	1,000
Hexachlorobutadiene	<12	<12	<12	<12	NS
Isopropylbenzene	<12	<12	<12	<12	NS
Methyl tert-butyl ether (MTBE)	<12	<12	<12	<12	930
Methylene chloride	**31**	**19**	**21**	**20**	50
Naphthalene	**11**	<23	<24	<24	12,000
n-Butylbenzene	<12	<12	<12	<12	12,000
n-Propylbenzene	<12	<12	<12	<12	3,900
o-Xylene	**4.2**	<12	<12	<12	NS
p- & m- Xylenes	**14**	<23	<24	<24	260
p-Isopropyltoluene	<12	<12	<12	<12	NS
sec-Butylbenzene	<12	<12	<12	<12	11,000
Styrene	<12	<12	<12	<12	NS
tert-Butylbenzene	<12	<12	<12	<12	5,900
Tetrachloroethylene	<12	<12	<12	<12	1,300
Toluene	**2.9**	<12	**2.0**	<12	700
trans-1,2-Dichloroethylene	<12	<12	<12	<12	190
trans-1,3-Dichloropropylene	<12	<12	<12	<12	NS
Trichloroethylene	<12	<12	<12	<12	470
Trichlorofluoromethane	<12	<12	<12	<12	NS
Vinyl Chloride	<12	<12	<12	<12	20
Xylenes, Total	**18**	<35	<36	<35	260

NS : No Standard

ug/kg…micrograms per kilogram

Bold values indicate concentrations exceeding laboratory method detection limits.

Table 1.2

Soil Samples Semi-Volatile Organic Analytical Results

107 Union Street, Brooklyn, New York

Sample Identification	S-1	S-2	S-3	S-4	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
Boring Number	B-1 0'-2'	B-1 10'-12'	B-2 0'-2'	B-2 10'-12'	
Sample Date	1/21/2011	1/21/2011	1/21/2011	1/21/2011	
Sample Matrix	Soil	Soil	Soil	Soil	
Units	ug/kg	ug/kg	ug/kg	ug/kg	
Semi-Volatile Organic Compounds (µg/kg) - EPA Method 8270					
Acenaphthene	**859**	<196	**342**	<196	20,000
Acenaphthylene	**113**	<196	**215**	<196	100,000
Aniline	<192	<196	<202	<196	NG
Anthracene	**1210**	**73.2**	**777**	**58.9**	**100,000**
Benzo(a)anthracene	**2300**	**130**	**2650**	**162**	**1,000**
Benzo(a)pyrene	**1860**	**92.0**	**2340**	**141**	**1,000**
Benzo(b)fluoranthene	**2380**	**107**	**2480**	**124**	**1,000**
Benzo(g,h,i)perylene	**215**	<196	**268**	<196	100,000
Benzo(k)fluoranthene	**2070**	<196	**2210**	**151**	800
Benzyl butyl phthalate	<192	<196	<202	<196	NG
4-Bromophenyl phenyl ether	<192	<196	<202	<196	NG
4-Chloro-3-methylphenol	<192	<196	<202	<196	NG
4-Chloroaniline	<192	<196	<202	<196	NG
Bis(2-chloroethoxy)methane	<192	<196	<202	<196	NG
Bis(2-chloroethyl)ether	<192	<196	<202	<196	NG
Bis(2-chloroisopropyl)ether	<192	<196	<202	<196	NG
Bis(2-ethylhexyl)phthalate	<192	<196	<202	**78.9**	NG
2-Chloronaphthalene	<192	<196	<202	<196	NG
4-Chlorophenyl phenyl ether	<192	<196	<202	<196	NG
Chrysene	**2110**	**122**	**2510**	**156**	1,000
Dibenzo(a,h)anthracene	**121**	<196	<202	<196	330
Dibenzofuran	<192	<196	<202	<196	7,000
Di-n-butyl phthalate	<192	<196	<202	<196	NG
1,2-Dichlorobenzene	<192	<196	<202	<196	NG
1,4-Dichlorobenzene	<192	<196	<202	<196	NG
1,3-Dichlorobenzene	<192	<196	<202	<196	NG
3,3'-Dichlorobenzidine	<192	<196	<202	<196	NG
Diethyl phthalate	<192	<196	<202	<196	NG
Dimethyl phthalate	<192	<196	<202	<196	NG
2,6-Dinitrotoluene	<192	<196	<202	<196	NG
2,4-Dinitrotoluene	<192	<196	<202	<196	NG
Di-n-octyl phthalate	<192	<196	<202	<196	NG
Fluoranthene	**3300**	**287**	**2390**	**273**	100,000
Fluorene	**769**	<196	**370**	<196	30,000
Hexachlorobenzene	<192	<196	<202	<196	NG
Hexachlorobutadiene	<192	<196	<202	<196	NG
Hexachlorocyclopentadiene	<192	<196	<202	<196	NG
Hexachloroethane	<192	<196	<202	<196	NG
Indeno(1,2,3-cd)pyrene	**286**	<196	**339**	<196	500
Isophorone	<192	<196	<202	<196	NG
2-Methylnaphthalene	**148**	<196	**74.3**	<196	NG
Naphthalene	**281**	<196	**65.8**	<196	12,000
3-Nitroaniline	<192	<196	<202	<196	NG
4-Nitroaniline	<192	<196	<202	<196	NG
Nitrobenzene	<192	<196	<202	<196	NG
N-nitroso-di-n-propylamine	<192	<196	<202	<196	NG
N-Nitrosodimethylamine	<192	<196	<202	<196	NG
N-Nitrosodiphenylamine	<192	<196	<202	<196	NG
Phenanthrene	**3010**	**293**	**2540**	**200**	100,000
Pyrene	**3120**	**257**	**3600**	**277**	100,000
Pyridine	<192	<196	<202	<196	NG
1,2,4-Trichlorobenzene	<192	<196	<202	<196	NG

NS : No Standard

ug/kg…micrograms per kilogram

Shaded values represents concentration exceeding NYSDEC TAGM 4046 soil cleanup guidelines

Table 1.3

Soil Samples Inorganic Analytical Results

107 Union Street, Brooklyn, New York

Sample Identification	S-1	S-2	S-3	S-4	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
Boring Number	B-1 0'-2'	B-1 10'-12'	B-2 0'-2'	B-2 10'-12'	
Sample Date	1/21/2011	1/21/2011	1/21/2011	1/21/2011	
Sample Matrix	Soil	Soil	Soil	Soil	
Units	mg/kg	mg/kg	mg/kg	mg/kg	
Metals (TAL) (mg/kg)					
Aluminum	**3800**	**4420**	**2650**	**4150**	NS
Antimony	**1.08**	<0.352	**1.52**	<0.353	NS
Arsenic	**8.84**	**3.21**	**9.69**	**4.19**	13
Barium	**191**	**39.9**	**130**	**22.1**	350
Beryllium	<0.115	<0.117	<0.121	<0.118	7.2
Cadmium	<0.575	<0.587	<0.605	<0.589	2.5
Calcium	**15200**	**689**	**22600**	**538**	NS
Chromium	**10.4**	**7.05**	**7.15**	**6.78**	30
Cobalt	**4.95**	**4.82**	**2.92**	**4.96**	NS
Copper	**55.8**	**9.32**	**41.6**	**6.13**	50
Iron	**11500**	**11600**	**13600**	**11200**	NS
Lead	**483**	**6.29**	**342**	**4.94**	63
Magnesium	**2090**	**1560**	**1250**	**1100**	NS
Manganese	**197**	**140**	**108**	**114**	1600
Nickel	**12.5**	**6.50**	**4.52**	**6.82**	30
Potassium	**800**	**562**	**540**	**489**	NS
Selenium	**4.12**	**2.93**	**4.19**	**2.86**	3.9
Silver	<0.575	<0.587	<0.605	<0.589	2
Sodium	**329**	**196**	**335**	**206**	NS
Thallium	<0.575	<0.587	<0.605	<0.589	NS
Vanadium	**13.8**	**9.54**	**7.54**	**12.0**	NS
Zinc	**207**	**25.2**	**203**	**24.4**	109
Mercury	**1.23**	<0.117	**0.460**	<0.118	0.18

NS : No Standard

m/kg…miligram per kilogram

Shaded values represents concentration exceeding NYSDEC TAGM 4046 soil cleanup guidelines.

Table 1.4

Soil Samples Pesticides and PCBs Analytical Results

107 Union Street, Brooklyn, New York

Sample Identification	S-1	S-2	S-3	S-4	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
Boring Number	B-1 0'-2'	B-1 10'-12'	B-2 0'-2'	B-2 10'-12'	
Sample Date	1/21/2011	1/21/2011	1/21/2011	1/21/2011	
Sample Matrix	Soil	Soil	Soil	Soil	
Pesticides - EPA Method 8081 (ug/kg)					
Toxaphene	<380	<388	<400	<389	NS
Methoxychlor	<19.0	<19.4	<20.0	<19.4	NS
Heptachlor epoxide	<3.80	<3.88	<4.00	<3.89	NS
Heptachlor	<3.80	<3.88	<4.00	<3.89	42
gamma-BHC (Lindane)	<3.80	<3.88	<4.00	<3.89	NS
Endrin ketone	<3.80	<3.88	<4.00	<3.89	NS
Endrin aldehyde	<3.80	<3.88	<4.00	<3.89	NS
Endrin	<3.80	<3.88	<4.00	<3.89	14
Endosulfan sulfate	<3.80	<3.88	<4.00	<3.89	2,400
Endosulfan II	<3.80	<3.88	<4.00	<3.89	2,400
Endosulfan I	<3.80	<3.88	<4.00	<3.89	2,400
Dieldrin	<3.80	<3.88	<4.00	<3.89	5
delta-BHC	<3.80	<3.88	<4.00	<3.89	40
Chlordane, total	<15.2	<15.5	**51.3**	<15.6	NS
beta-BHC	<3.80	<3.88	<4.00	<3.89	36
alpha-BHC	<3.80	<3.88	<4.00	<3.89	20
Aldrin	<3.80	<3.88	<4.00	<3.89	5
4,4'-DDT	**31.6**	<3.88	**25.6**	<3.89	3.3
4,4'-DDE	**6.61**	<3.88	**8.89**	<3.89	3.3
4,4'-DDD	<3.80	<3.88	<4.00	<3.89	3.3
PCBs - EPA Method 8082 (mg/kg)					
Aroclor 1260	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1254	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1248	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1242	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1232	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1221	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1016	<19.6	<20.0	<20.6	**<20.0**	100

NS : No Standard

ug/kg…micrograms per kilogram *mg/kg…milligram per kilogram*

Bold values indicate concentrations exceeding laboratory method detection limits.

TABLE 2.0
Tabulated Analytical Results
Groundwater Samples Collected January 21, 2011
107 Union Avenue, Brooklyn, New York

Location	**B-1W (unfiltered)**	**B-1W (filtered)**	**NYSDEC**
Depth	**NA**	**NA**	**Ambient**
Analyte	**Total**	**Total**	
Metals			
Aluminum	**39**	*ND*	2
Arsenic	0.042	*ND*	0.05
Barium	1.02	0.061	2
Beryllium	**0.004**	*ND*	0.003
Calcium	150	124	N/A
Chromium	0.091	*ND*	0.1
Cobalt	0.076	*ND*	N/A
Copper	0.169	*ND*	1
Lead	0.446	*ND*	0.05
Magnesium	19.6	9.79	35
Manganese	**3.51**	0.152	0.6
Nickel	0.077	*ND*	0.2
Potassium	32.5	26.4	N/A
Selenium	**0.035**	**0.024**	0.02
Sodium	16.6	16.6	N/A
Iron	**77.4**	0.036	0.6
Vanadium	0.155	*ND*	N/A
Zinc	0.346	*ND*	5
VOCs	All BQL	All BQL	
SVOCs	All BQL	All BQL	
PCBs	All BQL	All BQL	

All metals concentrations are in parts per million (ppm)
ND =Not Detected
Analytes not listed are below laboratory quantitation levels (BQL)
Bold = Concentrations above NYSDEC TAGM #4046 RSCOs

TABLE 3
Tabulated Soil Vapor Analytical Results
Samples Collected March 8 , 2012

Sample Location	Y-60	Y-59
Sample Type	Soil Vapor	Soil Vapor
Acetone	240	70
Benzene	11	9.2
Benzyl chloride	<1.3	<1.3
Bromodichloromethane	<3.1	<3.1
Bromoform	<3.9	<3.9
Bromomethane	<0.97	<0.97
1,3-Butadiene	<1.4	<1.4
2-Butanone (MEK)	310	44
Carbon Disulfide	<0.78	<0.78
Carbon Tetrachloride	<1.6	<1.6
Chlorobenzene	<1.7	<1.7
Chloroethane	<0.66	<0.66
Chloroform	<1.5	<1.5
Chloromethane	<1.3	<1.3
Cyclohexane	<0.86	<0.86
Dibromochloromethane	<2.6	<2.6
1,2-Dibromoethane (EDB)	N/A	N/A
1,2-Dichlorobenzene	<3.1	<3.1
1,3-Dichlorobenzene	<2.3	<2.3
1,4-Dichlorobenzene	<2.8	<2.8
Dichlorodifluoromethane (Freon 12)	<2.6	<2.6
1,1-Dichloroethane	<1.0	<1.0
1,2-Dichloroethane	<2.0	<2.0
1,1-Dichloroethylene	<1.2	<1.2
cis-1,2-Dichloroethylene	<1.4	<1.4
trans-1,2-Dichloroethylene	<1.0	<1.0
1,2-Dichloropropane	<2.1	<2.1
cis-1,3-Dichloropropylene	<2.4	<2.4
trans-1,3-Dichloropropylene	<1.7	<1.7
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	N/A	N/A
Ethanol	N/A	N/A
Ethyl Acetate	<1.9	<1.9
Ethylbenzene	15	13
4-Ethyltoluene	N/A	N/A
Heptane	16	16
Hexachlorobutadiene	<4.0	<4.0
Hexane	48	72
2-Hexanone (MBK)	<4.7	<4.7
Isopropanol	<1.8	140
Methyl tert-Butyl Ether (MTBE)	<0.90	<0.90
Methylene Chloride	26	26
4-Methyl-2-pentanone (MIBK)	<3.1	<3.1
Propylene	<1.7	<1.7
Styrene	<1.6	<1.6
1,1,2,2-Tetrachloroethane	<3.4	<3.4
Tetrachloroethylene	<1.7	<1.7
Tetrahydrofuran	140	72
Toluene	49	40
1,2,4-Trichlorobenzene	<3.4	<3.4
1,1,1-Trichloroethane	<2.1	<2.1
1,1,2-Trichloroethane	<2.9	<2.9
Trichloroethylene	<1.3	<1.3
Trichlorofluoromethane (Freon 11)	26	15
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<1.1	<1.1
1,2,4-Trimethylbenzene	<1.2	<1.2
1,3,5-Trimethylbenzene	<1.3	<1.3
2,2,4-Trimethylpetane	13	12
Vinyl Acetate	<1.1	<1.1
Vinyl Chloride	<1.3	<1.3
m&p-Xylene	42	38
o-Xylene	24	21

All concentrations are in micrograms per cubic meter (ug/M3)

Bold & Yellow Highlight = Monitoring Recommended

Bold & Yellow Highlight = Mitigation Recommended

Table 4

Construction Details for Soil Borings and Monitoring Wells

	Identification Number	Date of construction	Total Depth	Diameter	Ground surface elevation	Screened interval (Elevation Range)	Construction Material (PVC, steel, etc)	GPS Coordinates
Soil Vapor Points	Y-59	3/8/12	5’	¾”	15’	5’-5.5’	Steel	40°41'5.18"N 74° 0'12.94"W
	Y-60	3/8/12	5’	¾”	15’	5’-5.5’	Steel	40°41'4.94"N 74° 0'13.05"W
Soil Borings	B-1	1/21/11	12’	2”	15’	-	-	40°41'4.89"N 74° 0'13.06"W
	B-2	1/21/11	12’	2”	15’	-	-	40°41'5.24"N 74° 0'12.90"W
Monitor Wells	B-1GW	1/21/11	12’	½”	15’	8-12’	Steel	40°41'4.89"N 74° 0'13.06"W

Table 5

Groundwater Level Data

Monitoring Well ID No.	Date	Water Elevation
B-1GW	1/21/11	7’

Table 6

Analytical Methods Summary Table

Matrix	Number of Samples	Analytical parameters measured	Analytical methods	Number of duplicate samples	Number and type of QA/QC samples
Soil	4	VOCs, SVOCs, Metals, Pesticides, PCBs	8260, 8270, 6010B, 7470, 8081/8082	0	0
Groundwater	1	VOCs, SVOCs, Metals Pesticides, PCBs	8260, 8270, 6010B, 7470, 8081/8082	0	0
Soil vapor	2	VOCs	TO-15	0	0

RIR
APPENDIX A

Previous Environmental Reports

PHASE I ENVIRONMENTAL SITE ASSESSMENT

for the property located at:

107 Union Street
Brooklyn, New York 11231

prepared for:

Builders Bank
1001 Franklin Avenue
Suite 210
Garden City, New York 11530

prepared by:

Cashin Associates, P.C.
Engineering •Planning •Construction Management

1200 Veterans Memorial Highway, Hauppauge, New York 11788 - (631) 348-7600
601 Brickell Key Drive, Suite 606, Miami, Florida 33131 - (305) 579-2006

JULY 22, 2011

PHASE I ENVIRONMENTAL SITE ASSESSMENT

FOR THE PROPERTY LOCATED AT:

107 UNION STREET
NEW YORK, NEW YORK 11231

PREPARED FOR:

BUILDERS BANK
1001 FRANKLIN AVENUE
SUITE 210
GARDEN CITY, NEW YORK 11530

PREPARED BY:

CASHIN ASSOCIATES, P.C.
1200 VETERANS MEMORIAL HIGHWAY
HAUPPAUGE, NEW YORK 11788

11003.016

JULY 22, 2011

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
FOR THE PROPERTY LOCATED AT:

107 UNION STREET
BROOKLYN, NEW YORK 11231

EXECUTIVE SUMMARY

This report outlines the findings of a Phase I Environmental Site Assessment conducted by Cashin Associates, P.C. (CA) for the subject property located at 107 Union Street, Brooklyn, New York. The approximately 2,300 square foot subject parcel (Block 335, Lot 42) is currently vacant, cleared of surface structures.

The findings of CA's Phase I ESA, including a site history information review, site inspection, and regulatory agency database review, are summarized here and presented in more detail in the body of the report. The field inspection was conducted on July 15, 2011 by Brian Duggan, an Environmental Scientist from CA. Site and site access was facilitated by the owner's representative, Mr. Hernan Galvis of Passiv House Xperimental, LLC.

The subject property known as 107 Union Street is currently vacant and unpaved, with emergent vegetation around the perimeter security fencing, and containing parked vehicles. According to CA's historical research, the subject property was originally developed sometime before the late 1800s, as either agricultural land or as a residential property.

The site was developed several times for commercial/industrial purposes since at least 1886. Structures were constructed and demolished, and the property was also vacant land for at least two periods of time, including the present. Recent subsurface investigations identified that the

subsurface soils, and possibly the groundwater, had been impacted by trace levels of volatile organic compounds, pesticides and metals, typical for Urban Land having a long-term history of commercial and industrial uses. The studies show that these impacts occur mostly within the upper few feet on the site, and that the concentrations detected slightly exceed or are at levels that are below various regulatory guidelines.

The owner has developed a site specific Remedial Action Plan and construction Health and Safety Plan to address proper safe work practices and soils handling and disposal procedures during the site construction. These plans have been reviewed and approved by the NYCDEP, permitting the construction work to proceed. The site is to be rezoned and developed with a four-story two-family apartment building containing a small cellar and garage. The Remedial Action Plan specifies the construction to include the installation of a soil vapor barrier membrane, and capping any unpaved areas with two feet of clean fill as a solution to the conditions present on site. Once the owner has completed the site redevelopment, it is required to develop and provide a Remediation Closure Report to the NYCDEP for final review and approval in order to use the site for its intended purposes, a two-family residential dwelling. It is recommended that the owner provide copies of any future environmental reports and/or correspondence completed as part of the site development. The owner should also provide a copy of the approved Remediation Closure Report once all site development work is completed.

CA's review of NYC property and environmental records showed no indications for any adverse environmental impacts to the site, or environmental liens encumbering the property interests. CA's review of prior environmental reports found that these earlier environmental studies adequately characterized recognized environmental conditions associated with the subject property.

The subject property is not listed in any of the readily available environmental regulatory databases reviewed by CA. While nearby properties in the surrounding area appeared in some of the databases, CA found no evidence in the reports that any of these listed properties have directly contributed to the known environmental conditions on the subject property.

Therefore, it is CA's Environmental Professional's opinion that there are no other recognized environmental conditions and business environmental risks associated with the subject property.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
FOR THE PROPERTY LOCATED AT:

107 UNION STREET
BROOKLYN, NEW YORK 11231

1.0 INTRODUCTION & METHODOLOGY

1.1 Purpose of the Phase I Environmental Site Assessment

This report outlines the findings of a Phase I Environmental Site Assessment conducted by Cashin Associates, P.C. (CA) for the subject property located at 107 Union Street, Brooklyn, N.Y.

This report has been prepared in accordance with the recommended guidelines as presented in American Society for Testing and Materials (ASTM) E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, as directed by our client (Builders Bank). The goal of this assessment is to identify recognized environmental conditions on the site, as defined by ASTM E 1527-05. The term "recognized environmental conditions" means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property.

CA has performed this Phase I Environmental Site Assessment of the subject property in compliance with the scope and limitations of ASTM Practice E 1527-05. The purpose of this report is to provide Builders Bank, as the Users of this report under the ASTM Practice, with Phase I ESA findings, conclusions and recommendations to support its business practices regarding the property. Any exceptions to, or deletions from, this practice are described in Sections 1.2.7 and 1.2.8 of this report.

1.2 Methodology

The methodology of this assessment consists of four basic components, as recommended in ASTM E 1527-05, Section 7 Phase I Environmental Site Assessment, plus the completion of several additional tasks provided by CA, as part of the evaluation of "Business Environmental Risk", as defined under ASTM. This methodology is summarized below.

1.2.1 Records Review

A search of available records is performed to obtain and review information that will help to identify recognized environmental conditions in connection with the property. Records are reviewed for the site itself as well as for the area around the site within a minimum search distance recommended by ASTM E 1527-05, Section 8 Records Review. This records review includes

standard Federal and State environmental record sources such as the Federal National Priorities List (NPL), Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) lists, Resource Conservation and Recovery Act (RCRA) lists, and the Emergency Response Notification System listing. State environmental record source listings include State-equivalent NPL listings, State-equivalent CERCLIS listings, State landfill or solid waste disposal site lists, State registered underground storage tank (UST) listing, State leaking underground storage tank (LUST) lists, and additional State or local environmental record sources.

ASTM E 1527-05 requires that the User of this report provide the environmental professional with documentation of any environmental liens filed against the property so that this information can be included. By mutual agreement between the User and the environmental professional, research involving environmental liens placed upon the subject property may be transferred to the environmental professional; however, any prior User knowledge of in-place environmental liens must be shared with the environmental professional, for inclusion herein.

As requested by the User (Builders Bank), as part of this assessment, CA researched public records to obtain information on any environmental liens associated with the subject property. The reviewed information is discussed in Section 2.7 of this report, and copies of the reviewed documents are

provided in Appendix X. CA did not provide comment on the perceived value of the real property as part of this assessment.

Additional evaluations of current or historical recognized environmental conditions may include a review of records obtained through the following sources:

- The current United States Geologic Survey (USGS) 7.5-Minute Topographic Map and other physical setting maps.
- Historical use maps, such as Sanborn Fire Insurance maps, if available.
- Historical Aerial Photographs.
- Other historical land use records.
- Local municipal building department records.
- Other municipal agency records.

1.2.2 Site Reconnaissance

A site visit is performed to visually and physically observe the site and any associated structures, facilities, or materials on the site, to obtain information on the likelihood of identifying recognized environmental conditions, as recommended by ASTM E 1527-05, Section 9 Site Reconnaissance. A general reconnaissance of surrounding properties is also performed to

determine the potential of off-site conditions to affect the subject site. A list of references utilized for this assessment is provided in Section 7.

The site visit conducted for this property was performed by an Environmental Scientist (also qualifying as an "Environmental Professional" as defined under ASTM E 1527-05). The site visit includes inspection for potential recognized environmental concerns including: presence of hazardous substances and petroleum products (collectively defined as "hazardous materials"); storage tanks; drums and other containers for hazardous materials; PCB-containing equipment; drains; sumps; stained soil and pavement; stressed vegetation; solid waste; liquid wastes; and on-site septic systems. The site visit was also conducted to obtain field information on general site geologic conditions, topography, utility supplies, and nature/condition of any on-site structures, facilities and equipment.

1.2.3 Interviews with Owners, Occupants and Other Knowledgeable Individuals

Interviews are typically conducted to obtain information relating to current and former site uses, site history, and possible environmental conditions associated with the site. In general, individuals interviewed as part of this work include: property representatives; key site personnel; occupants/tenants; and lender officers, as needed. A list of contacts made for this assessment is

provided in Section 7. A completed Environmental Questionnaire (by the owner) is provided in Appendix VI.

1.2.4 User Supplied Information

In order for a prospective purchaser to claim CERCLA landowner liability protections, under section 101 (35)(B) of CERCLA, as amended by the Small Business Liability Relief and Brownfields Revitalization Act, such persons and businesses are required to conduct all appropriate inquiries prior to or on the date of obtaining ownership of the property. The USEPA, in its Final Rule, Standards and Practices for All Appropriate Inquiries, established federal standards and practices for conducting all appropriate inquiries, found in 40 CFR Part 312. Under § 312.11 (a), ASTM E 1527-05 is identified as an industry standard which may be used to comply with all appropriate inquiries.

The performance standards required for all appropriate inquiries include inquiries by an Environmental Professional, and additional inquiries by persons seeking to establish one of the CERCLA liability protections. Under § 312.22, additional inquiries by persons seeking to establish one of the CERCLA liability protections, if not otherwise provided to the Environmental Professional, includes in substance: an evaluation of environmental cleanup liens against the subject property; consideration of specialized knowledge or experience of the person seeking to claim liability

protection; evaluation of the relationship of the purchase price to fair market value of the subject property, if the property was not contaminated; or other commonly known or reasonably ascertainable information about the property. If such information is not provided to the Environmental Professional, the all appropriate inquiry report prepared by the Environmental Professional must include a determination as to whether the lack of this information affects his or her ability to identify conditions of releases or threatened releases under the Final Rule, and discuss this condition as a significant Data Gap (See Section 5 of this report).

1.2.5 Business Environmental Risk Investigations

Although not within the scope of ASTM E 1527-05 for recognized environmental concerns, the environmental assessment prepared by CA includes an evaluation of several additional environmental issues to provide an evaluation of Business Environmental Risk, as identified under the ASTM practice as warranted for consideration by parties to a commercial real estate transaction. This evaluation is not intended to provide a thorough or comprehensive analysis of the respective conditions, but instead provide a preliminary indication of the potential for conditions of concern. These additional tasks include:

- A preliminary visual inspection of the site and any building interiors to determine if *friable* asbestos-containing building materials (ACM) may be present. If appropriate, samples of suspected ACM are collected for laboratory analysis. The inspection performed as part of this assessment does not constitute a full asbestos survey.

- A preliminary inspection for major sources of electromagnetic fields (e.g. high tension wires, electrical sub-stations, etc.) in the vicinity.

- Determination of the potential for existence of radon in soil at the subject site.

- A preliminary visual inspection of painted surfaces to determine if lead-based paint (LBP) may be present. If appropriate, samples of suspected lead-based paint are collected for laboratory analysis. The inspection performed as part of this assessment does not constitute a full lead survey.

- Review of area maps to determine if wetlands, flood plains, and other environmentally sensitive areas are present on the site.

1.2.6 Evaluation and Report Preparation

The information obtained under the above tasks is evaluated to assess recognized environmental conditions and business environmental risk conditions associated with the subject site. This report includes opinions rendered regarding the presence of these conditions, and represents the end product of this analysis. This report includes a summary of findings and conclusions. Recommendations, including Phase II work, are provided as appropriate in the Cover Letter of this report, as specified by the User. Documentation including references, test results, maps and other important materials are presented as appendices.

1.2.7 Exceptions to ASTM E 1527-05

This report complies with the recommendations of ASTM E 1527-05, with no exceptions.

1.2.8 Assessment Limitations

As specified in ASTM E 1527-05, an environmental site assessment cannot wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of the assessment is intended to reduce, but not eliminate, uncertainty regarding the

potential for recognized environmental conditions in connection with the property, within reasonable limits of time and cost. The Phase I Environmental Site Assessment is a visual, non-intrusive assessment where investigation includes review of records, interviews with site personnel and inspection of visible conditions. The conclusions of the assessment are based upon readily accessible and visible areas. No conclusions are provided on items hidden behind construction or completely underground and without visible evidence.

1.2.9 Reliance

The User, Builders Bank, may rely upon this report. This information also may be used by any actual or prospective purchaser, transferee, assignee, or servicer of the Loan, any actual or prospective investor, including agent or advisor in any securities evidencing a beneficial interest in or backed by the Loan, any rating agency rating any such securities, any indenture trustee, and any institutional provider(s) of any liquidity facility or credit support for such financing. In addition, this report or a reference to this report may be included or quoted in any offering circular, registration statement, or prospectus in connection with a securitization or transaction involving the Loan and/or such securities. This report has no other purpose and should not be relied upon by any other person or entity. Anyone wanting information about the condition

or characteristics of the site or operation should consult an appropriate professional.

1.2.10 Conflict Certification

Cashin Associates, P.C. has no present or contemplated future ownership interest or financial interest in the real estate that is the subject of this Environmental Assessment Report; and Cashin Associates, P.C. has no personal interest with respect to the subject matter of the Environmental Assessment Report or the parties involved and Cashin Associates, P.C. has no relationship with the property or the owners thereof which would prevent an independent analysis of the environmental or other conditions of the property.

2.0 SITE DESCRIPTION AND HISTORY

The following site description is based upon a field inspection that was conducted on July 15, 2011 by CA's Environmental Scientist. This description is also based on CA's review of the applicable USGS 7.5-Minute Topographical Map (Jersey City, NJ-NY Quadrangle) and other physical setting sources including soil type maps, geological reports and road maps. CA reviewed readily available property historical information obtained from a commercial vendor including historical Sanborn Fire Insurance Maps and historical city telephone directories. Property information relating to historical and existing property conditions, including any readily available and accessible information relating to property liens were reviewed through municipal property records obtained from agency websites.

2.1 Site Location and Description

The subject property is located on the north side of Union Street, between Columbia Van Brunt Street to the west and Columbia Street to the east. The approximately 2,300 square foot subject parcel (Block 335, Lot 42) is currently vacant, cleared of surface structures. The site is located in the Columbia Waterfront District of the Red Hook neighborhood of the Borough of Brooklyn (Kings County), New York City. Site location maps and a site sketch are provided in Appendix I.

2.2 Present Use(s) of the Site

The subject property is currently vacant and cleared of surface structures, and is zoned in an M-1 (manufacturing) district. The site is unpaved, and overgrown with vegetation, and also contains loose lumber, six vehicles, and a trailer.

CA reviewed environmental reports and correspondence provided by the owner which detail earlier investigations that identified trace levels of hazardous materials within the subsurface soils and groundwater, due to past uses and or surrounding area land uses. The environmental regulatory agency reviewing these investigations has approved the owner's Remedial Action Plan and Construction Health and Safety Plan to be implemented during the planned site redevelopment activities. Once site redevelopment is completed, the owner will complete and submit a certified Remedial Closure Report indicating that all remedial requirements have been satisfied for the future planned uses of the site for residential occupancy. Section 2.8 contains additional details relating to the environmental conditions identified and addressed in the environmental reports and correspondence provided by the owner.

According to interviews conducted with the owner's representative, Mr. Hernan Galvis of Passiv House Xperimental, LLC, the subject property is planned to be rezoned and redeveloped with a four-story residential apartment building, possessing a cellar. Based on this information, it is possible that much of the existing fill materials may be excavated and removed from the subject parcel.

2.3 Surrounding Land Use

The subject property is located in a heavily developed urban area, known as the Columbia Waterfront District of the Red Hook neighborhood of the Borough of Brooklyn (Kings County), New York City. Site location maps and a site sketch are provided in Appendix I. The neighborhood consists of mixed residential, commercial and industrial development. Land uses immediately adjacent to the site consist of:

a. Three-story residential apartment buildings and commercial buildings to the north;

b. A parking lot and multi-story apartment buildings with retain storefronts to the southeast, and commercial/industrial properties to the southwest along Union Street;

c. A three-story apartment building with commercial/retail storefronts to the east; and

d. A two-story commercial building adjacent to the east (former auto repair shop), a motorcycle repair shop, NYC FDNY facility and a NYC Department of Sanitation facility further west along Union Street.

This section of the Red Hook neighborhood is in transition from industrial, commercial and manufacturing operations (concentrated to the west along the waterfront) to lighter commercial, retail and residential properties. The surrounding Red Hook neighborhood includes: the Port of New York Terminal along the East River approximately one-quarter of a mile to the northwest, and the Atlantic Basin and Terminals along Buttermilk Channel approximately one-quarter of a mile to the west and southwest; the Brooklyn Battery Tunnel entrance and the Gowanus Expressway approximately one-quarter of a mile to the south/southwest, and the Brooklyn Queens Expressway approximately one-eighth of a mile to the east.

2.4 Topography and Geological Setting

A review of the applicable USGS 7.5-Minute Topographical Map (Jersey City, NJ-NY Quadrangle) revealed that the subject site is located at an approximate elevation of 10 feet above Mean Sea Level (MSL), in an area that slopes moderately down to the west toward Buttermilk Channel and Upper New York Harbor. The subject property itself is relatively level. A copy of the topographic map showing the subject property is included in Appendix I.

The geology of the subject area, as part of Brooklyn, is expected to consist of layers of urban fill, derived from local glacial and Cretaceous age sediments, consisting of gravel, sand and clay, which overlie Precambrian-age metamorphic bedrock. Soils in heavily developed urban areas, such as the subject area, are typically classified as

Urban Land, defined as containing imported fill materials having been placed and reworked by human activities, with more than 90% of the land covered by structures and pavement.

As stated below, the site was developed several times for commercial/industrial purposes since at least 1886. Structures were constructed and demolished, and the property was also vacant land for at least two periods of time, including the present. Recent subsurface investigations identified that the subsurface soils, and possibly the groundwater has been impacted by trace levels of volatile organic compounds, pesticides and metals, typical for Urban Land having a long-term history of commercial and industrial uses. The studies show that these impacts occur mostly within the upper few feet on the site, and that the concentrations detected slightly exceed or are levels that are below various regulatory guidelines. Section 2.8 contains additional details relating to these conditions.

The regional water table is expected to vary in elevation based upon local precipitation rates and subsurface geologic and urban development conditions. Information provided by the owner includes subsurface testing results which indicate that the local groundwater table is at least seven feet below the ground surface. The direction of groundwater flow in the immediate area of the subject property cannot be confirmed without more detailed site specific measurements; however, it is estimated to generally follow the topographical gradient to the west toward the Red Hook waterfront. The underlying groundwater aquifers in this area are considered unfit for

public use due to salt water intrusion and pollution. The City of New York provides potable water drawn from reservoirs located to the north of the city.

2.5 Site History

History of the site was determined based on interviews with the owner's representative, Mr. Hernan Galvis of Passiv House Xperimental, LLC, and a review of available property and building documents. Mr. Galvis stated that the subject parcel was once contained a live poultry market and slaughterhouse. He stated that the building was destroyed by fire approximately four to five years ago, and the owner demolished the former building in 2007. He also stated that the former building contained no cellar, and was constructed as a "slab on grade" one-story structure.

CA reviewed commercially available property information obtained from Environmental Data Resources, Inc. (EDR) which included historical Sanborn Fire Insurance Maps and historical city telephone directories. Sanborn Fire Insurance Maps were available for certain years during the period from 1886 through 2007. Historical city telephone directories were available for certain years during the period from 1940 through 2005. Historical aerial photographs were not obtained due to the availability of other historical information sources. CA's experience with readily available historical aerial photographs for urban properties, such as Brooklyn, is that the information typically obtained does not materially supplement the other readily

available historical information available from commercial and municipal agency sources.

CA also reviewed subject property information available on NYC agency websites, including the Department of Buildings and the Department of Finance.

A chronological summary of the site history for the subject property, and adjoining properties based on EDR's commercially available historical property information found is provided below:

YEAR	SOURCE	DESCRIPTION / USE
1886	Sanborn Map	The subject property is shown to contain one or possibly two small sheds, possibly associated with a small structure, other sheds, and what is labeled as "Wood Pile" to the west. It is possible that the subject property was part of a larger industrial property at the time depicted on this map. A "Wallpaper Factory" site is located further west along Union Street, with more factories further south along Van Brunt Street. Properties adjacent to the east are shown as multistory dwellings identified as "tenements" containing storefronts. The portion of the neighborhood depicted in the map shows the surrounding neighborhood to consist mostly of multi-story dwellings. Storefronts are concentrated along Union Street and along Columbia Street. Factories most likely part of the waterfront industrial area are located further to the west.
1904	Sanborn Map	The comparison of this map and the 1886 map shows that the subject property was apparently cleared of structures, and depicted as vacant by 1904. The industrial property to the west has been redeveloped with a small theater building and stable adjacent to the subject property. The multistory residential dwellings to the south and east along Union Street are shown in the 1904 map to contain storefronts. No other significant changes are shown for the surrounding neighborhood.
1915	Sanborn Map	The subject property is shown to have been improved with a narrow one-story building, with a shed at the rear. The Wallpaper Factory is identified on this map as "not running." No other significant changes were found in the comparison of this map and the 1904 map for the surrounding neighborhood.

YEAR	SOURCE	DESCRIPTION / USE
1938	Sanborn Map	The comparison of this map and the 1915 map shows that the subject property was apparently cleared of structures, and redeveloped with a one-story commercial building, identified as containing a "Poultry Market." No other significant changes were found in the comparison of this map and the 1910 map for the subject property and surrounding neighborhood.
1940, 1945	City Directories	The subject property is listed as "Elite Live Poultry Shop" and "Skloot, Harry, L Live Poultry."
1949	City Directories	The subject property is listed as "Adler, Lawrence, Elite Live Poultry Shop" and "Skloot, Harry, L Live Poultry."
1950	Sanborn Map	The comparison of this map and the 1938 map shows no significant changes for the subject property during this period. The property adjacent to the west has apparently been redeveloped as a machine shop and a neighboring auto repair shop. The former wall paper factory further west is now shown on the 1950 map as developed as a large one-story auto repair facility, with "filling stations" shown along Van Brunt Street. No other significant changes were found in the comparison of this map and the 1938 map for the surrounding neighborhood.
1960	City Directories	The subject property is listed as "Elite Live Poultry Shop" and "Gueirrieri Bros Live Poultry."
1969	Sanborn Map	No significant changes are shown for the subject property, and surrounding properties.
1970	City Directories	The subject property is listed as "Lees Live Poultry," and "Phillips, Jean."
1973	City Directories	The subject property is listed as "Lees Live Poultry."
1977	Sanborn Map	No significant changes are shown for the subject property. The property adjacent to the west is now identified on this map as containing an automobile repair facility. The factories formerly located further to the west appear to have been either demolished or changed over to storage/warehouse facilities. No other significant changes were found in the comparison of this map and the 1969 map for the subject property and surrounding neighborhood.
1979, 1980, 1981	Sanborn Maps	No significant changes are shown for the subject property, and surrounding properties.
1982	Sanborn Maps	No significant changes are shown for the subject property. The buildings located on the properties adjacent to the east are shown to have been cleared sometime between 1981 and 1982. No other significant changes were identified for the surrounding neighborhood.
1986,1987, 1988,1991, 1992,1993, 1995,1996, 2001	Sanborn Maps	No significant changes are shown for the subject property, and surrounding properties.
2002	Sanborn Map	The comparison of this map and the 2001 map shows that the properties adjacent to the east have been redeveloped with the three-story residential apartment building with commercial/retail spaces that essentially exist today. No significant changes are shown for the subject property, and surrounding properties.
1997, 2005	City Directories	"Lees Live Poultry Market" and "Lees Live Poultry"

YEAR	SOURCE	DESCRIPTION / USE
2003, 2004, 2005, 2006, 2007	Sanborn Maps	No significant changes are shown for the subject property, and surrounding properties.

Since this part of Brooklyn has been occupied since Pre-Colonial times, it is most likely that the subject property was originally developed sometime before the late 1800s, as either agricultural land or as a residential property. According to CA's research, the subject property was developed several times for commercial/industrial purposes since at least 1886. Structures were constructed and demolished, and the property was also vacant land for at least two periods of time, including the present. The subject parcel apparently once contained a live poultry market and slaughterhouse from about 1938 through about 2004. The poultry market building was reportedly destroyed by fire approximately four to seven years ago, and the current owner demolished the building in 2007. The former building reportedly contained no cellar, and was constructed as a "slab on grade" one-story structure.

Given the long-term use of the subject property for commercial/industrial purposes, and the general character of the neighborhood as a commercial/industrial waterfront, it is possible that some of these businesses on the subject site and the businesses adjacent to the site generated or handled unknown quantities of hazardous materials. These activities have contributed to the environmental impacts further discussed in Section 2.8, Previous Reports.

Section 3.0 contains additional regulatory information regarding the subject property and properties in the surrounding area. Copies of the historical Fire Insurance Maps and city directories have been included in Appendix V.

2.6 Municipal Records Review

CA researched the New York City Department of Buildings (NYCDOB) website (http://a810-bisweb.nyc.gov/bisweb/bsqpm01.jsp accessed on July 18, 2011) and Department of Finance website (http://www.nyc.gov/html/dof/html/jump/acris.shtml accessed on July 19, 2011) in order to review any available records associated with the subject property. Useful information obtained from these sources was used by CA throughout this report. CA's review of these records showed:

i) A copy of an application pending for Zoning Approval, reportedly filed on May 24, 2011 by Hernan Galvis, RA, from Fractal Architecture, PLLC, identifies the new building as a four story, two-family with cellar residential apartment building, with accessory parking. It was also reported in the application that the site is not located in a designated wetland; there are no restrictive covenants; and the site is not listed as a NYC "Little E" Hazardous Materials site. However, the application reports the open NYC Department of Environmental Protection (NYCDEP) case file 11DEPTECH010K, which is further discussed in Section 2.8.

ii) The Building Classification is listed as "V1-Vacant Land."

iii) There are no Open Violations with the NYCDEP's Environmental Control Board.

CA has submitted a Freedom of Information request form to the NYCDEP and the New York State Department of Environmental Conservation (NYSDEC) requesting an opportunity to review any readily available records regarding the historical uses and any environmentally significant information for the subject property. To date, CA has not received a reply from this Department. Any responses containing useful and pertinent information regarding the current or past conditions of the site will be forwarded as an addendum to this report. It should be noted that Section 2.8 contains copies of correspondence from the NYCDEP about the findings and response actions to be completed, based on environmental conditions on the subject site. A copy of the Freedom of Information request form has been included in Appendix VIII.

2.7 Environmental Lien Information

As requested by the User as part of this assessment, CA researched available public records to obtain information on any environmental liens associated with the subject property. CA reviewed information from the NYC Department of Finance website (http://www.nyc.gov/html/dof/html/jump/acris.shtml accessed on July 19, 2011) in order to review any available records associated with the subject property.

CA found deed transfer records for the following dates: April 20, 2010; April 17, 2010; May 11, 2004; December 7, 1977; June 24, 1968; November 13, 1967; and October 30, 1967. There were no readily available records for earlier dates from 1967 back through the time of the first development of the subject property.

The property records also show the release of an Estate Tax Lien in 1967; the establishing of a restrictive covenant (for parking from another property) in 2007, and later canceling of this restrictive covenant in 2008. The building information also included copies of mortgage documents from 1977, which identifies the site operations as "Lee's Poultry Market" at that time.

CA found no information reported, or otherwise known to be readily available and accessible indicating any environmental liens or other encumbrances on the subject property, based on the documents reviewed from the City's website. It should also be noted that the current owner's responses to the questionnaire reported no such environmental liens or encumbrances (see Appendix VI).

2.8 Previous Reports

The owner provided CA with a copy of an earlier Phase I Environmental Site Assessment report, and a copy of the results for certain geotechnical investigations completed for the subject property and Associated Parcel. Copies of these reports are

included in Appendix IX. CA's findings of the review of these documents are presented below.

Phase I Environmental Site Assessment, Cobble Gardens; 107 Union Street, Brooklyn, N.Y. 11231; Block 335, Lot 42; Dated June 28, 2010; Prepared by: Galli Engineering, P.C. (Melville, N.Y.).

This report by Galli Engineering, P.C. (Galli) was developed based on a site inspection reportedly completed on June 18, 2010. The report states that the site conditions were similar to the conditions observed during CA's July 15th 2011 site inspection. The site was reported to be vacant and unpaved, used for parking vehicles a small trailer. It was also reported that construction materials were stored on the site (characterized as construction debris). Galli stated that the results for their site inspection found no recognized environmental conditions relating to the subject site, or associated with the surrounding properties.

The historical review conducted by Galli as part of their Phase I ESA report included a review of historical Sanborn Fire Insurance maps and municipal site records. Galli's review indicated that the subject property contained a structure on the 1986 Sanborn Map, which was apparently removed by 1904; developed with a one-story commercial building by 1915; and later identified as a poultry market. Galli also states that the property was once a poultry slaughterhouse, which burned down in 2007 (and in another section of the report, 2004).

Galli's review of the environmental regulatory database information found no listings for the subject property and surrounding properties. The general neighborhood includes many listed sites associated with the handling, generating, treating, storing and disposing of hazardous wastes and materials, which is typical for the conditions found in this heavily developed section of Brooklyn. Galli reported that it was unable to determine whether or not the conditions identified for the property located in the surrounding neighborhood were affecting environmental conditions on the subject property.

Galli reported that its investigation found no evidence for the use and storage of heating oil in tanks on the subject property. It also stated that the site is not located within any jurisdictional wetlands.

Based on the results of its investigation Galli concluded that there were no recognized environmental conditions associated with the subject property. It did recommend that the construction materials be removed from the site.

September 16, 2010 NYC Department of Environmental Protection, Bureau of Environmental Planning and Analysis letter to the NYC Board of Standards and Appeals.

i) It was reported that the letter was based on its review of the owner's environmental reports including an Environmental Assessment Statement dated July 8, 2010by AECOM and a Phase I Environmental Site Assessment dated June 28, 2010 by Galli. This review is in response to the application for

development of the site by Passive House Xperimental, LLC, at the request by the NYC Board of Standards and Appeals (BSA), the agency responsible for approving the rezoning and redevelopment of the property. It was acknowledged that the applicant plans on developing the site for a four-story, two-family residential apartment building, currently located in a M1-1 District.

ii) Its findings of the review revealed that onsite and surrounding neighborhood was developed for commercial, industrial, and residential purposes. The NYCDEP noted that the Phase I ESA report identified two automobile repair facilities, two drycleaners, and four manufactured gas plant facilities. It was also noted that there were 10 spill sites, 16 leaking tank sites, and six underground storage sites, all within a one half mile radius of the subject site. The NYCDEP concluded that past on site and/or neighboring site activities have impacted on site soils and groundwater.

iii) The NYCDEP recommended that BSA direct the applicant (owner) perform an assessment to characterize surface soils, subsurface soils, and groundwater conditions prior to the start of the site development.

Phase II Environmental Subsurface Investigation at 107 Union Street, Brooklyn, N.Y. Regulatory Tracking Nos. 11BSA009K/11DEPTECH010K (Dated February 2011); for Passiv House Xperimental, LLC by EEA, Inc. (Garden City, N.Y.).

The copy of the soils investigation report by EEA, Inc. (EEA) reported that its Phase II Environmental Site Assessment was based on site sampling completed in January 2011. The investigation included advancing two soil borings to depths of approximately 12 feet below grade for each borehole. Two soils samples were collected from each boring. The study also included the installation of a temporary groundwater monitoring well, to collect a water sample for analysis. EEA reported that the upper six feet of the site included "urban fill;" meaning, soils and cinders, as well as brick and concrete fragments. The lower sections investigated was described as consisting of natural soils.

The four soil samples were collected and analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, PCBs, and certain metals; to be evaluated according to the NYS Department of Environmental Conservation (NYSDEC) Unrestricted Use Brownfield Cleanup Objectives. The results of the sampling showed impacts primarily within two feet of the surface by semi-volatile organic compounds, pesticides, and metals (such as copper, lead, selenium, zinc, and mercury). These compounds were identified at concentrations that slightly exceeded the NYSDEC Unrestricted Use Criteria, and according to EEA are typical of Urban Fill materials throughout the NYC Metropolitan Area.

The EEA report indicated that the local groundwater table was encountered at a depth of approximately six feet below the surface. One groundwater sample, collected from the temporary groundwater well, was analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, PCBs, and certain metals; to be evaluated according to the NYSDEC Technical Operational Guidance Series (TOGS) groundwater quality standards.

No compounds were detected in the filtered the groundwater sample (evaluating the water for any dissolved contaminants); however, the unfiltered sample showed concentration levels for semi-volatile organic compounds, pesticides, and metals slightly above the NYSDEC criteria. This was determined to be due to suspended soil particles in the groundwater sample.

The EEA report concluded that the concentrations found in the soils were typical for Urban Fill in the NYC Metropolitan Area. It was also concluded that there no additional investigations were necessary to characterize subsurface soils and groundwater conditions. It was recommended that any site development work should include the development and execution of safe work practices and soils disposal operations according to a Remedial Action Plan and Construction Health and Safety Plan.

February 17, 2011 NYC Department of Environmental Protection, Bureau of Environmental Planning and Analysis letter to the NYC Board of Standards and Appeals.

This letter reported the NYCDEP's site survey and evaluation of potential air pollution impacts to the property which is planned to be redeveloped as a four-story residential property. The NYCDEP evaluated permit information from a nearby automobile body repair shop, and found that air emissions from this facility should not significantly affect air quality at the subject property.

March 7, 2011 NYC Department of Environmental Protection, Bureau of Environmental Planning and Analysis letter to the NYC Board of Standards and Appeals.

The NYCDEP reported that it completed its review of the EEA Phase II report, and provided the following recommended directives to the applicants:

i) The applicant should develop and submit to the NYCDEP for approval a site-specific Remedial Action Plan (RAP) and Construction Health and Safety Plan (HASP). The RAP should delineate procedures for handling and disposal of all excavated soils according to regulatory agency and disposal site facility requirements. The HASP should address safe work practices with respect to worker protections against significant exposures to the contaminants found.

ii) Any dewatering and disposal of pumped water into the NYC municipal sewer system should be permitted and controlled by the NYCDEP Sewer Discharge Permit procedures.

iii) The site redevelopment should include the installation of a proper soil vapor barrier. The NYCDEC must review and approve vapor barrier samples and materials installation specifications prior to the start of construction.

iv) Any site surfaces not capped with pavement are to be covered and landscaped maintaining a minimum of two feet of clean fill/topsoil as a barrier. All imported fill must be tested for the same compounds evaluated in the Phase II ESA investigation,

with the results to be reviewed and approved by the NYCDEP prior to the delivery to the site.

Remedial Action Plan for 107 Union Street, Brooklyn, N.Y.; Regulatory Tracking Nos. 11BSA009K/11DEPTECH010K (Dated March 2011); for Passiv House Xperimental, LLC; by EEA, Inc. (Garden City, N.Y.).

CA reviewed a copy of the RAP developed by EEA, and provided by the owner. CA's review found that the RAP substantially complies with the applicable NYSDEC and NYCDEP regulatory requirements, and appropriately addresses the site-specific environmental conditions. The procedures follow those outlined in the March 7, 2011 NYCDP letter to the BSA, with the exception that procedures were included for addressing underground petroleum storage tanks in the event that these were encountered during site construction activities. The RAP also stated that any unpaved portions of the site will be first excavated below the two-foot depth horizon, prior to installing the required site fill.

Remedial Action Plan for 107 Union Street, Brooklyn, N.Y.; Regulatory Tracking Nos. 11BSA009K/11DEPTECH010K (Dated March 2011); for Passiv House Xperimental, LLC; by EEA, Inc. (Garden City, N.Y.).

CA reviewed a copy of the HASP developed by EEA, and provided by the owner. CA's review found that the HASP substantially complies with the applicable NYSDEC and NYCDEP regulatory requirements, and appropriately addresses the site-specific environmental conditions.

April 6, 2011 NYC Department of Environmental Protection, Bureau of Environmental Planning and Analysis letter to the NYC Board of Standards and Appeals.

3.0 FINDINGS OF RECORDS REVIEW

A review of readily available and accessible Federal, State and local environmental regulatory agency records pertaining to potential recognized environmental conditions was performed based on a commercial database search acquired for the subject site and surrounding area, provided by Environmental Data Resources, Inc. The search distances comply with those recommended by ASTM E 1527-05. A brief description of the database review is provided below, and an abridged copy of the search output is given in Appendix IV.

3.1 Federal Records Search

3.1.1 National Priorities List (NPL) or Superfund

The subject property is not listed as a Federal Superfund site. No such sites were identified within a one-mile radius of the subject property.

The NPL Report, also known as the Superfund List, is a USEPA listing of uncontrolled or abandoned hazardous waste sites. This list is primarily based upon a score which the site receives from the USEPA's hazardous ranking system. These sites are targeted for possible long-term remedial action under the Superfund Act.

3.1.2 Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)

The subject property does not appear in the CERCLIS database. No such sites were identified within a one-half mile radius of the subject property.

CERCLIS is a list of potential hazardous waste sites that the USEPA is investigating for hazardous substance releases. Each site is given a hazardous ranking score which determines its standing on the NPL and priorities for cleanup. The higher the score, the greater the threat to the environment, and the more rapidly the site will be addressed by the USEPA.

3.1.3 Resource Conservation and Recovery Act (RCRA) Hazardous Waste Treatment, Storage, and Disposal (TSD) Sites

The subject property does not appear on this USEPA RCRA list. There are no sites located within a one-half mile radius of the subject property.

RCRA facilities are permitted by the USEPA to generate hazardous waste and dispose of the waste legally. These facilities generally abide by USEPA regulations for storage, handling and disposal of hazardous materials.

3.1.4 RCRA Hazardous Waste Generators and Transporters

The subject property is not listed as a RCRA Hazardous Waste Generator or Transporter site. There are two sites identified within a one-quarter mile radius of the subject property.

The closest site is identified as Randex Cleaners at 534 Henry Street, located approximately 800 feet to the southeast. The site is identified as a "Conditionally Exempt Small Quantity Generator," having no violations.

RCRA facilities are permitted by the USEPA to generate hazardous waste and dispose of the waste legally. These facilities generally abide by USEPA regulations for storage, handling and disposal of hazardous materials.

3.1.5 Emergency Response Notification System (ERNS)

The subject property is not listed in the Federal database of spills compiled by the Emergency Response Notification System.

3.1.6 Toxic Release Inventory Sites (TRIS)

The subject property is not a listed Toxic Release Inventory Site.

Toxic release sites are manufacturing facilities that are required, pursuant to Section 313 of the Federal Emergency Planning and Community Right-To-Know Act, to report releases of any listed toxic chemical into the air, water, or onto the land.

3.1.7 CORRACTS (Corrective Action Report)

The subject property is not listed as a CORRACTS site.

This database represents a list of RCRA hazardous waste generator, treatment, transporter and disposal facilities that have been identified by the USEPA for corrective action.

3.2 State and Local Records Search

3.2.1 NYSDEC Inactive Hazardous Waste Disposal Sites (State Superfund)

The subject property does not appear on the State Superfund list. There is one site identified within a one mile radius of the subject property.

The K-Metropolitan Manufactured Gas Facility is located at the intersection of 12th Street and Nevins street, approximately one-mile to the southeast of the subject property. This site has a long history for the generation of coal

tar and natural gas during the earlier part of the 20th Century. These operations have significantly affected subsurface soils, the local groundwater system, the Gowanus Canal environment, and the New York Harbor. Contaminants include many hazardous organic compounds and metals. Remedial investigations are reportedly underway to determine the nature and extent of the contamination. However, due to the fact that the subject property is sufficiently removed from this site, and may be cross-gradient with respect to the estimated groundwater flow direction, it is most likely that the conditions on this site have not significantly affected the subject property.

The list of NYSDEC Inactive Hazardous Waste Disposal Sites contains summary information pertaining to those facilities that are deemed hazardous by the New York State Department of Environmental Conservation (NYSDEC).

3.2.2 NYSDEC Solid Waste Facilities

The subject property is not on the NYSDEC Solid Waste Facilities list. There is one site listed within a one-half radius of the subject property. The East Coast Tank Lining Corp. at 700 Hicks Street is located approximately one-half of a mile to the southwest of the subject property. The site is listed as an inactive solid waste transfer station, with little additional information.

Due to the fact that the subject property is sufficiently removed from this site, and may be down-gradient with respect to the estimated groundwater flow direction, it is most likely that the conditions on this site have not significantly affected the subject property.

3.2.3 NYSDEC Registered UST/AST Sites

The subject property is not listed as a NYSDEC registered UST/AST site. There are 14 such sites identified within a one-quarter mile radius of the subject property.

The NYC Department of Sanitation facility, known as District 6A, located to the west on Union Street near Van Brunt Street. This site is listed for more than four tanks for fuels and heating oil. The capacities for these tanks is not reported in this database. The site is also listed with a history of spills associated with these tanks and facility operations, resulting in a groundwater monitoring program. However, given the fact that this facility is located sufficiently removed, down slope, and down-gradient with respect to the groundwater flow direction, it is unlikely that conditions on this site have affected or contributed to the conditions associated with the subject property.

One of the other closest listed sites is located at 129 DeGraw Street approximately 1,000 feet to the northeast of the subject property. This site is listed for an undisclosed storage of petroleum or chemicals in a tank. No further details are provided for this location. There are no indications in the record that the conditions on this site have significantly affected the subject property.

The fact that a facility is listed as a petroleum bulk storage site does not mean that it is an unsafe facility or that fuel spills will occur, but does indicate that there is a potential for spillage because there is a significant quantity of fuel stored on the site.

3.2.4 Area Spills (NYS Toxic Spills, Leaking Underground Storage Tanks, Etc.)

The subject property does not appear on either the State Leaking Tanks List or the State Spills List. There are 18 State Spill sites identified within one-eighth mile of the subject property, and 29 State Leaking Tanks sites identified within one-half mile of the subject property.

One of the closest listed spill sites is reported for 106 Union Street, across the street from the subject property. This site is listed for an incident associated with a suspected leaking fuel oil tank discharging from into the

building cellar. This incident was first reported on January 7, 1993. There is no other information relating to the response actions taken for this incident; however, the file is identified as "closed" as of the same date.

The spill lists include relatively small incidents, such as equipment or human errors, tank overfills, and poor housekeeping. In general, the spill list records sites that were reported to the NYSDEC and are classified as "active", "cleaned up", or "unspecified". The ultimate goal of the NYSDEC is to resolve all reported spill sites to a classification of "cleaned up" after investigation, monitoring or remediation activities. CA found no evidence in the reports that any of the listed spill events in the surrounding area have directly contributed to the conditions at the subject property (see Section 2.8).

3.2.5 NYS Permitted Air Discharge Facilities (AIRS)

The subject property/facility is not identified as a source of permitted air pollutant discharges.

The EPA maintains a database containing information regarding each air emission facility and the type of air pollutant being emitted. Compliance information is also provided for each pollutant as well as the facility itself.

3.2.6 NYSDOH Radon Results

Based on CA's experience in conducting Phase I Environmental Site Assessments throughout the region, and our knowledge of the area's hydrogeology, radon is not generally present or expected to be found at elevated levels in Brooklyn. This is corroborated by a Statewide testing program recently conducted (October 2010) by the New York State Department of Health (NYSDOH) Bureau of Environmental Radiation. In Kings County (Brooklyn), the basements of 404 homes were tested by charcoal screening for the presence of radon gas. The average quantity of radon present in these houses was 1.92 picocuries per liter (pCi/L). The USEPA has set 4.0 pCi/L as the acceptable level for homes. Based on this standard, the average quantity of radon gas is below the USEPA action level.

A copy of the NYSDOH study results is provided in Appendix III of this report.

4.0 INFORMATION FROM SITE RECONNAISSANCE AND INTERVIEWS

4.1 On-Site Inspection of Hazardous Material Usage

The subject property is currently vacant land, cleared of all structures. CA observed no signs of hazardous material storage, handling or disposal on the grounds of the subject property. There were no signs of any leaks or spills of hazardous materials on the grounds of the subject property.

4.2 On-Site Storage Tanks

The subject property is currently vacant land, cleared of all structures. CA observed no signs of storage tanks, including associated piping systems such vent and fill lines, on the grounds of the subject property during the site inspection.

4.3 On-Site PCB's

The subject property is currently vacant land, cleared of all structures. CA observed no signs of PCB-containing electrical equipment on the grounds of the subject property.

4.4 Asbestos-Containing Material (ACM) in the Building

The subject property is currently vacant land, cleared of all structures. CA observed no signs of asbestos-containing building materials on the grounds of the subject property.

4.5 Lead-Based Paint (LBP) & Lead Materials

The subject property is currently vacant land, cleared of all structures. CA observed no signs of building materials which may contain lead-based paint on the grounds of the subject property.

4.6 Solid Waste Handling

The subject property is currently vacant land, cleared of all structures. There are reportedly no solid wastes generated or stored at the site.

4.7 Electromagnetic Fields

There were no sources of EMFs (e.g. high tension wires, electrical substations, etc.) observed in the vicinity of the site.

Although there are currently no regulations concerning the proximity of *residential* structures to major sources of electromagnetic fields (EMFs) such as overhead high tension wires, high levels of EMFs are an unresolved public health issue. Some recent studies have linked the presence of elevated EMFs to increased risk of certain cancers and other illnesses. Although studies are ongoing and no definitive conclusions have been reached, the existing evidence indicates that a potential health risk may exist for individuals who are exposed to these fields. In any case, the general perception of a risk associated with major sources of EMFs can reduce the marketability and value of real estate.

4.8 Pits, Ponds, or Lagoons

No pits, ponds, or lagoons were observed on or adjacent to the subject property.

4.9 Storage Drums

The subject property is currently vacant land, cleared of all structures. CA found no evidence for the storage of drums on the subject property during the site inspection.

4.10 Stained Soils or Pavement

The subject property is currently vacant land, cleared of all structures. CA observed no signs of hazardous material storage, handling or disposal on the grounds of the

subject property. There were no signs of any staining observed, which may be indicative of leaks or spills of hazardous materials on the grounds of the subject property.

4.11 Stormwater and Sanitary Systems

No on-site sanitary waste disposal/treatment systems were observed or reported to CA. Stormwater most likely infiltrates through the site fill materials to the local groundwater table.

4.12 Floor Drains and Sumps

The subject property is currently vacant land, cleared of all structures. CA observed no signs of collection or drainage systems observed on the grounds of the subject property.

4.13 Water Supply

The subject property is currently vacant land, cleared of all structures. According to interviews conducted with the owner's representative, Mr. Hernan Galvis of Passiv House Xperimental, LLC, the subject property is planned to be rezoned and redeveloped with a four-story residential apartment building, possessing a small cellar. Based on this information, it is most likely that the building will be connected

to the New York City municipal water supply system. No groundwater supply or monitoring wells were observed at the site.

4.14 Stressed Vegetation

The subject property is currently vacant land, cleared of all structures, and containing emergent vegetation. However, CA did not observe any areas of stressed vegetation on the subject property during the site inspection.

4.15 Evidence of Mold

The subject property is currently vacant land, cleared of all structures. There is no conditions observed to be present on the site that would result in significant mold growth.

4.16 Wetlands and Floodplains

There are no designated wetlands located on or immediately adjacent to the subject property. According to CA's review of Federal Emergency Management Agency (FEMA) information provided by EDR, the subject property is not located within a designated 100- or 500-year flood hazard area.

5.0 DATA GAPS

According to ASTM E 1527-05, a *Data Gap* is defined as an inability to obtain information during the Phase I ESA process, as required under this standard, despite a good faith effort by the Environmental Professional to obtain this information. As required under the ASTM standard, Section 12.7, the Environmental Professional must include in the ESA report a discussion identifying significant Data Gaps which prevent the Environmental Professional from identifying recognized environmental conditions associated with the subject property.

If Data Gaps identified during the all appropriate inquiry prevent the Environmental Professional's ability to render an opinion as to whether recognized environmental concerns associated with the subject property, then such Data Gaps are considered significant, according to the ASTM E 1527-05, Section 12.7. The Environmental Professional must identify significant Data Gaps in the report, identify the sources consulted to address the Data Gap, and comment on the significance of the Data Gap in affecting the opinion as to whether recognized environmental conditions are associated with the subject property. The Environmental Professional may then provide recommendations to the User of the report for further actions which may be necessary to address these significant Data Gaps.

However, a Data Gap itself is not inherently significant. If the Environmental Professional is able to render an opinion as to whether or not recognized environmental conditions are associated with the subject property, based on the professional's experience and other

information collected during an all appropriate inquiry even where Data Gaps exist, then such Data Gaps are not considered significant and do not need to be discussed in the report. CA has performed this Phase I Environmental Site Assessment of the subject property in compliance with the scope and limitations of ASTM Practice E 1527-05, as an all appropriate inquiry under the Final Rule. The findings of this Phase I ESA are based on: an inspection of the subject property and adjacent properties; interviews with knowledgeable parties representing the current property owner; review of available reports and records relating to earlier environmental investigations; review of available historical records; and a review of available environmental regulatory agency records.

6.0 FINDINGS AND CONCLUSIONS

Cashin Associates, P.C. has performed a Phase I Environmental Site Assessment, in conformance with the scope and limitations of ASTM Practice E 1527-05. Any exceptions to, or deletions from, these practices are described in Sections 1.2.7 and 1.2.8 of this report. Any pertinent information provided to CA from local municipality FOIL requests will be provided to the client upon receipt.

This report outlines the findings of a Phase I Environmental Site Assessment conducted by Cashin Associates, P.C. (CA) for the subject property located at 107 Union Street, Brooklyn, New York. The approximately 2,300 square foot subject parcel (Block 335, Lot 42) is currently vacant, cleared of surface structures.

The findings of CA's Phase I ESA, including a site history information review, site inspection, and regulatory agency database review, are summarized here and presented in more detail in the body of the report. The field inspection was conducted on July 15, 2011 by Brian Duggan, an Environmental Scientist from CA. Site and site access was facilitated by the owner's representative, Mr. Hernan Galvis of Passiv House Xperimental, LLC.

The subject property known as 107 Union Street is currently vacant and unpaved, with emergent vegetation around the perimeter security fencing, and containing parked vehicles. According to CA's historical research, the subject property was originally developed sometime before the late 1800s, as either agricultural land or as a residential property.

The site was developed several times for commercial/industrial purposes since at least 1886. Structures were constructed and demolished, and the property was also vacant land for at least two periods of time, including the present. Recent subsurface investigations identified that the subsurface soils, and possibly the groundwater, had been impacted by trace levels of volatile organic compounds, pesticides and metals, typical for Urban Land having a long-term history of commercial and industrial uses. The studies show that these impacts occur mostly within the upper few feet on the site, and that the concentrations detected slightly exceed or are at levels that are below various regulatory guidelines.

The owner has developed a site specific Remedial Action Plan and construction Health and Safety Plan to address proper safe work practices and soils handling and disposal procedures during the site construction. These plans have been reviewed and approved by the NYCDEP, permitting the construction work to proceed. The site is to be rezoned and developed with a four-story two-family apartment building containing a small cellar and garage. The Remedial Action Plan specifies the construction to include the installation of a soil vapor barrier membrane, and capping any unpaved areas with two feet of clean fill as a solution to the conditions present on site. Once the owner has completed the site redevelopment, it is required to develop and provide a Remediation Closure Report to the NYCDEP for final review and approval in order to use the site for its intended purposes, a two-family residential dwelling. It is recommended that the owner provide copies of any future environmental reports and/or correspondence completed as part of the site development. The owner should

also provide a copy of the approved Remediation Closure Report once all site development work is completed.

CA's review of NYC property and environmental records showed no indications for any adverse environmental impacts to the site, or environmental liens encumbering the property interests. CA's review of prior environmental reports found that these earlier environmental studies adequately characterized recognized environmental conditions associated with the subject property.

The subject property is not listed in any of the readily available environmental regulatory databases reviewed by CA. While nearby properties in the surrounding area appeared in some of the databases, CA found no evidence in the reports that any of these listed properties have directly contributed to the known environmental conditions on the subject property.

Therefore, it is CA's Environmental Professional's opinion that there are no other recognized environmental conditions and business environmental risks associated with the subject property.

SECTION 7
REFERENCES AND CONTACTS

REFERENCES AND CONTACTS

Mr. Hernan Galvis of Passiv House Xperimental, LLC, Owner's Representative, Personal Communication, July 2011.

Construction Health and Safety Plan for 107 Union Street, Brooklyn, N.Y.; Regulatory Tracking Nos. 11BSA009K/11DEPTECH010K (Dated March 2011); for Passiv House Xperimental, LLC; by EEA, Inc. (Garden City, N.Y.).

New York City Department of Buildings (NYCDOB) website http://a810-bisweb.nyc.gov/bisweb/bsqpm01.jsp accessed on July 18, 2011

New York City Department of Finance website http://www.nyc.gov/html/dof/html/jump/acris.shtml accessed on July 19, 2011

New York City Department of Environmental Protection (NYCDEP), Freedom of Information Request from CA, July 2011.

Phase II Environmental Subsurface Investigation at 107 Union Street, Brooklyn, N.Y. Regulatory Tracking Nos. 11BSA009K/11DEPTECH010K (Dated February 2011); for Passiv House Xperimental, LLC by EEA, Inc. (Garden City, N.Y.).

Remedial Action Plan for 107 Union Street, Brooklyn, N.Y.; Regulatory Tracking Nos. 11BSA009K/11DEPTECH010K (Dated March 2011); for Passiv House Xperimental, LLC; by EEA, Inc. (Garden City, N.Y.).

September 16, 2010 NYC Department of Environmental Protection, Bureau of Environmental Planning and Analysis letter to the NYC Board of Standards and Appeals.

February 17, 2011 NYC Department of Environmental Protection, Bureau of Environmental Planning and Analysis letter to the NYC Board of Standards and Appeals.

March 7, 2011 NYC Department of Environmental Protection, Bureau of Environmental Planning and Analysis letter to the NYC Board of Standards and Appeals.

April 6, 2011 NYC Department of Environmental Protection, Bureau of Environmental Planning and Analysis letter to the NYC Board of Standards and Appeals.

New York State Department of Environmental Conservation, November 2010. Inactive Hazardous Waste Disposal Sites in New York State, Albany, New York.

New York State Department of Environmental Conservation, November 2010. Petroleum Bulk Storage Facilities, Albany, New York.

New York State Department of Environmental Conservation, August 2010. Spills Information Database, Albany, New York.

New York State Department of Health, October 2010. Measured Basement Screening Radon Levels, Albany, New York.

Phase I Environmental Site Assessment, 107 Union Street, Brooklyn, N.Y. 11231; Dated June 18, 2010; Prepared by: Galli Engineering, P.C. (Melville).

United States Environmental Protection Agency, November 2010. Resource Conservation and Recovery Act (RCRA) Information, Washington, D.C.

United States Environmental Protection Agency, November 2010. Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), Washington, D.C.

United States Environmental Protection Agency, November 2010. Corrective Action Report (CORRACTS), Washington, D.C.

United States Environmental Protection Agency, January 2011. Emergency Response Notification System (ERNS), Washington, D.C.

United States Environmental Protection Agency, October 2010. National Priority List (NPL), Washington, D.C.

Federal Emergency Management Agency (FEMA), Flood Zone Data.

United States Fish & Wildlife Service, National Wetlands Inventory (NWI).

SECTION 8
SIGNATURE PAGE

PHASE I ENVIRONMENTAL SITE ASSESSMENT
FOR THE PROPERTY LOCATED AT:

107 UNION STREET
BROOKLYN, NEW YORK 11231

CASHIN ASSOCIATES, P.C. REFERENCE NO. 11003.016

Environmental Scientist / Inspector:

Brian Duggan **Date: 07/22/11** **Inspection Date: 07/15/11**

Director of Environmental Programs:

Gregory T. Greene **Date: 07/22/11**

SECTION 9
QUALIFICATIONS INFORMATION

QUALIFICATIONS

Environmental Professional's Statement

I, Brian Duggan, declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312 of 40 CFR 312. I have the specific qualifications based on education, training and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312, for the purposes identified.

Brian Duggan

CASHIN ASSOCIATES, P.C.

GREGORY T. GREENE
Director of Environmental Programs

EDUCATION/REGISTRATION
B.A., Geological and Geophysical Sciences, Princeton University, 1975
M.S., Marine Environmental Sciences, SUNY at Stony Brook, 1978
Certified Environmental Specialist, Environmental Assessment Association

PROFESSIONAL AFFILIATIONS
National Groundwater Association
National Association of Environmental Professionals
National Shellfisheries Association
American Society of Safety Engineers
Sigma Xi Scientific Society

EXPERIENCE
As Director of Environmental Programs at Cashin Associates, Mr. Greene serves as project director for major environmental planning, site assessment projects and hazardous material management programs. He has directed the preparation of numerous site assessments, environmental impact statements, planning studies, field investigations, master plans and technical studies for governmental agencies and authorities on the local, state and federal levels, as well as CA's banking and insurance company clients. Mr. Greene has technical expertise in issues relating to site remediation, resource protection, hazardous materials management, groundwater and surface water management, and State/Federal environmental review requirements.

Recent environmental projects completed under Mr. Greene's direction included:

- Environmental assessments of commercial, residential and industrial sites for banks, lending institutions and other corporate clients, including asbestos and lead investigation and abatement, throughout the eastern United States and Puerto Rico.
- Assistance to the Valley Stream School District on issues relating to groundwater contamination, school safety, exposure to potential contaminants from off-site sources.
- Development/implementation of health/safety, emergency response and hazardous materials management plans for the Town of Oyster Bay.
- Environmental review and risk assessment for a major pesticide management and vector control program for Suffolk County, including environmental and human health risk assessment.
- Environmental studies for re-use and enhancement of a former industrial property as a harborfront park for the Village of Port Jefferson, NY.
- Environmental studies relating to solid waste recycling and energy recovery for the Solid Waste Management Authority of Puerto Rico.
- Evaluation and assessment of property and other collateral on behalf of CA's banking, real estate investment, and insurance company clients.
- Feasibility study including safety inspections, groundwater investigation and water supply report for redevelopment of Camp Hero, a decommissioned army base for the NYS Office of Parks, Recreation & Historic Preservation.

- Flood Hazard Mitigation and Emergency Response Plan, for the Town of Brookhaven, NY.
- Health and safety investigation and regulatory compliance reviews for a major bank client, involving branches and corporate offices.
- Human health and environmental risk assessment for the Peconic River, Suffolk County, NY.
- Implementation of fuel storage tank testing and remediation programs for the Towns of Oyster Bay, Babylon and Islip, including several hundred underground tanks, and associated groundwater investigations.
- Phase I environmental site assessments for numerous properties under consideration by Suffolk County for open space and groundwater recharge area acquisition.
- Phase II investigations and follow-up remedial activities at industrial and commercial sites with environmental issues for banking and real estate investment firms.
- Preparation of a draft solid waste management plan and comprehensive recycling analysis for the Town of Oyster Bay, NY.
- Environmental risk assessment for the Carmans River, For Suffolk County Department of Health Services.
- Supervision of investigation and remediation of leaking underground storage tank sites in New York and New Jersey for various banking and corporate clients.
- Supervision of lead paint abatement programs performed under FREDDIE MAC requirements for buildings in New York and New Jersey.
- Supervision of site remediation and monitoring for a leaking underground gasoline tank for the Village of Amityville, NY.
- Development and implementation of a groundwater remediation program for an underground hydrocarbon spill at Montauk Downs State Park, for NYS Department of Parks, Recreation and Historic Preservation.
- Groundwater and soil monitoring and development of a remediation program at a former brick manufacturing facility at Bristol Bay State Park, for the Palisades Interstate Park Commission.
- PCB remediation at the Brooklyn Air Station for the U.S. Coast Guard.

Mr. Greene was also employed for four years at a national environmental consulting firm where he was involved in the preparation of environmental impact studies for the U.S. EPA. He acquired extensive experience in project planning, field work, data analysis, EIS preparation and expert testimony in this position. He served as project manager for a major EIS on the proposed remediation of PCB-contaminated sediments from the Hudson River, and for an assessment of impacts of sewering on marine resources of the Great South Bay, NY. He prepared EIS's for regional wastewater disposal systems on Long Island, upstate New York, New Jersey, and Puerto Rico.

BRIAN DUGGAN, LEED AP BD+C
Environmental Scientist

Education
J.D. / Touro Law Center/2005
M.S. / Geology / State University of New York at Stony Brook/1996
B.A. / Geology / State University of New York at Buffalo/1982

Licenses / Certification
LEED Accredited Professional, NY

Admitted to Practice Law, NY, NJ
OSHA (HAZWOPER)
OSHA (Supervisor)

Memberships
New York State Bar Association, Member
Suffolk County Bar Association, Member
United States Green Building Council, Member

Overview
Mr. Duggan has 25 years of experience in environmental consulting, Phase I and II environmental site assessments, SEQR and CEQR compliance, worker health and safety practices, engineering, and construction management. He has experience with field supervision of projects, as well as the preparation of technical contract specifications, construction & environmental permit applications, remediation plans, and regulatory agency compliance reports. His work experience also includes project management of construction site hazard and workplace hazard assessments, occupational exposure risk assessments, and worker exposure monitoring. He has served as a project manager on many environmental investigations and site clean-up projects, and served as the on-site health and safety officer during the construction of several major landfill closure projects, as well as for other heavy construction projects.

Mr. Duggan serves at the firm as a senior environmental scientist and project manager for CA's environmental programs. Responsibilities include Phase I and II site assessments in accordance with ASTM standards, construction contract development, preparation of environmental impact statements, SEQR compliance, project health and safety plans and other technical requirements, and reviewing compliance with contract requirements as part of CA's construction management team. He provides technical support to the firm's engineering and design services, including services involving indoor air quality, hazardous materials management, environmental remediation, and regulatory compliance programs.

He has served as project manager for a Health and Safety Compliance Program and Workplace Violence Protection Program for the Town of Oyster Bay, involving over 1,200 employees at 25 different facilities. His responsibilities have included management and coordination of health and safety inspections, interviews, training, and interface with the Town's Department of Human Resources. He was primary author of a Workplace Violence Prevention Inventory Report for the Town, prepared in accordance with the New York State Workplace Violence Protection Act of 2006. He also assisted with the preparation of a similar Workplace Violence Inventory Report for the Town of Southampton.

Mr. Duggan also assists the firm's technical staff during the due diligence phase of a project when Project Labor Agreement (PLA) services are provided. Mr. Duggan provides technical litigation support and expert testimony for

several of CA's forensic engineering projects. He draws upon his technical and legal support experience at other companies, providing technical discovery review support for construction litigation services, and providing technical review of construction documents and property loss claims. He also serves as project manager for health and safety compliance for the Valley Stream Public School District 30, which includes analysis of issue relating to indoor air quality, teacher and student safety, groundwater contamination and facility monitoring.

Mr. Duggan is a licensed attorney, admitted to practice in New York and, as general counsel for the firm, regularly reviews and negotiates company contracts with private and public clients. He provides regulatory compliance reviews and environmental assessments as part of his services at CA. He is also responsible for drafting subconsultant agreements for the various company projects. He manages and coordinates the submission of CA's general conditions contract requirements on behalf of the company's principals, ensuring the proper insurance requirements and regulatory compliance affidavits are in place. Mr. Duggan coordinates and provides the appropriate corporate filing documents for CA's corporate presence in the several states where the company provides its professional engineering services. He is also serves as an internal legal advisor with regard to Project Labor Agreement services offered by the firm.

His previous experience includes:

Solo practitioner of a general and family law practice. Solo practice as an environmental consultant. (2006-2007)

John E. Osborn, P.C., New York, NY
Mr. Duggan served as a technical professional / environmental scientist at this law firm. He provided technical review and analysis of construction project records in support of the firm's defense of claims in litigation for public school clients. He provided technical project oversight in support of the firm's role as environmental counsel for environmental response actions, as part of a large hotel redevelopment project in Manhattan. He served as a teaching assistant to the firm's principal for graduate-level courses at the Brooklyn Polytechnic Institute and Pratt Institute. (2004-2006)

AIG Technical Services, Inc. / Pollution Insurance Products Group, New York, NY
Mr. Duggan served as a home office supervisor and environmental claims adjuster, reviewing insureds' notices of claims and technical reports for environmental investigations and cleanup costs. His duties included the determination of reasonable and necessary response actions applicable to coverage under the indemnity agreements. He was also responsible for reviewing and monitoring the legal defense of actions against insureds as part of AIG's defense obligations under its policies. (2002-2004)

Prior to first joining CA in 1997, Mr. Duggan served as an Industrial Hygienist and Project Geologist for several environmental consulting firms. His industrial hygiene experience includes worker exposure monitoring for hazardous chemicals and project monitoring and project management during asbestos abatement programs, health and safety monitoring during landfill capping operations, and indoor air quality investigations. As a Project Geologist, he performed site investigations, soils and groundwater testing, and project management of environmental response actions on commercial and industrial properties.

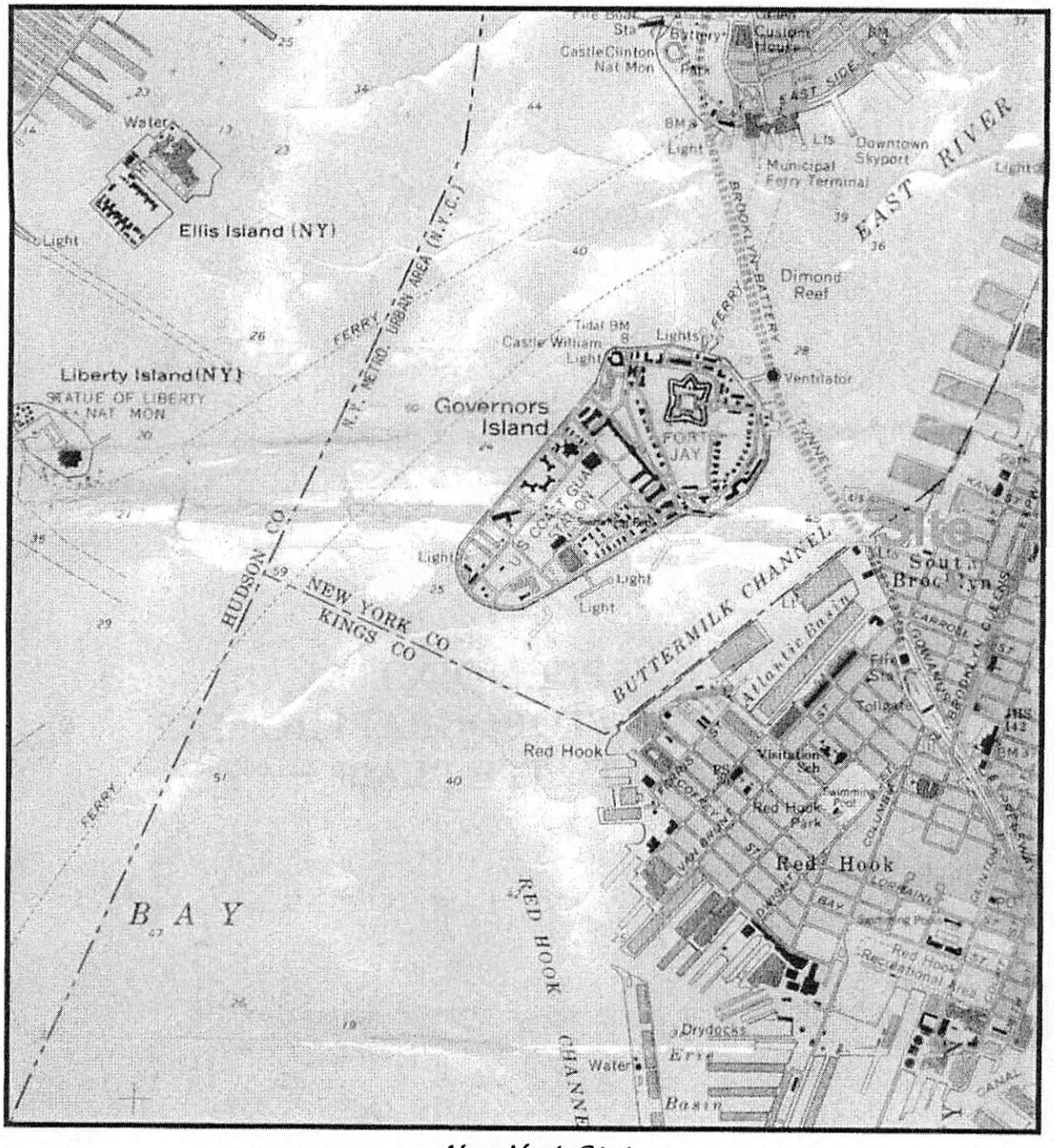
Other prior assignments included:

- Project management of various building renovation projects involving the characterization of hazardous material conditions and health and safety monitoring during the removal of hazardous wastes for public utilities, public transportation authorities, and a number of federal, state, and city agencies (New York State, New York City, Washington, D.C., Maryland, and others).

- Project management for investigation, assessment and remediation of hazardous waste sites, petroleum contaminated soils and contaminated groundwater.
- Indoor air quality studies, including worker and occupancy exposure assessment studies, and the development of health and safety plans.
- Project management of building inspections for asbestos in institutional, commercial and industrial facilities.
- Geological investigations during groundwater well placement and soil boring activities.

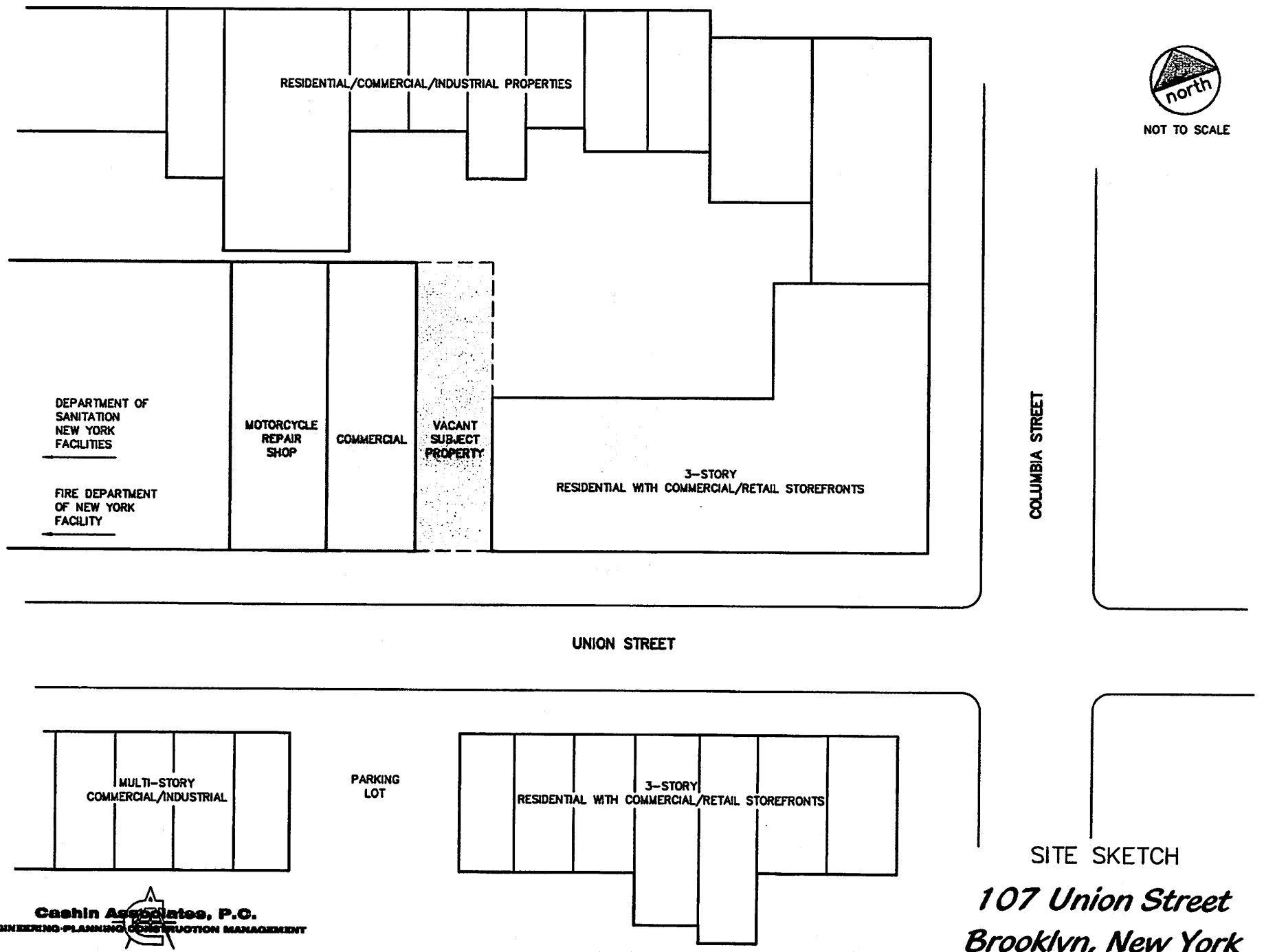
APPENDICES

APPENDIX I
LOCATION/TOPOGRAPHIC MAP AND SITE PLAN



New York State
Department of Transportation
Jersey City Quadrangle
New Jersey - New York
7.5 Minute Series
1975
Second Edition

Scale 1:24000



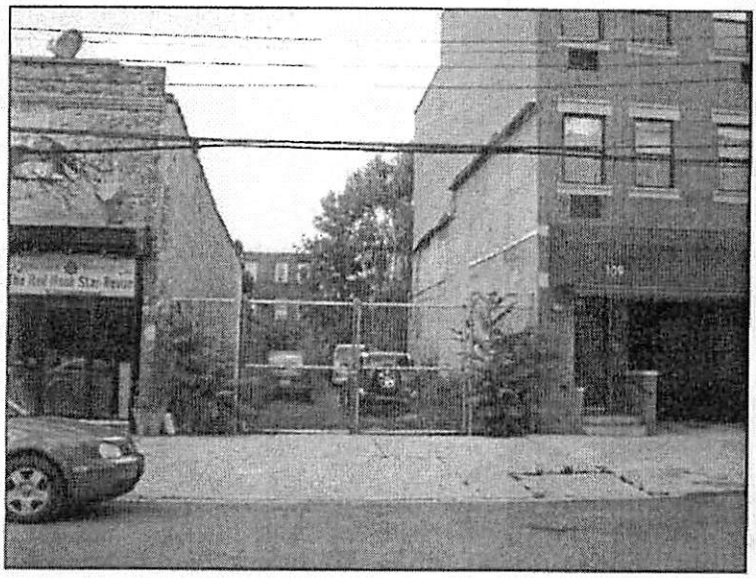
SITE SKETCH

107 Union Street
Brooklyn, New York

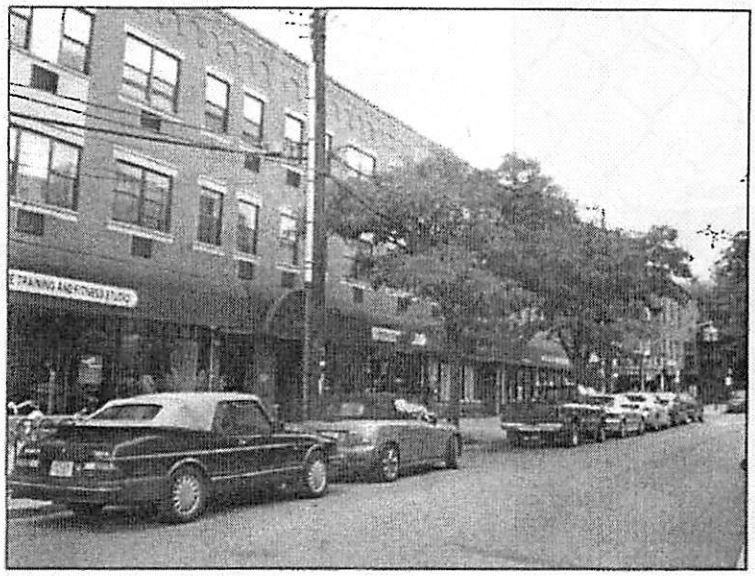
Cashin Associates, P.C.
ENGINEERING·PLANNING·CONSTRUCTION MANAGEMENT

11003.016

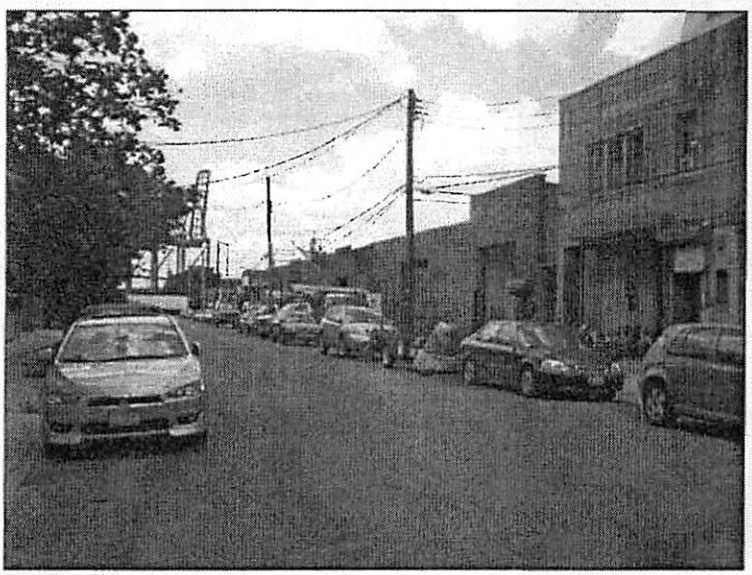
APPENDIX II
SITE PHOTOGRAPHS



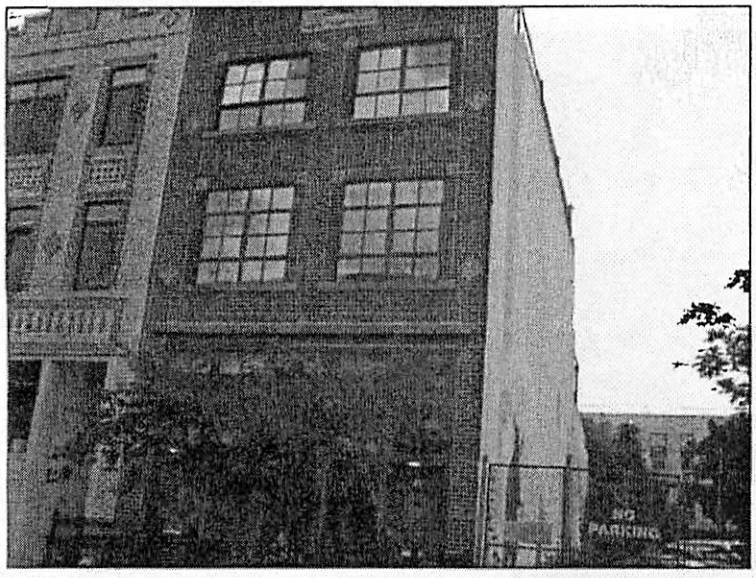
Photograph #1 - View of the subject property located at 107 Union Street, Brooklyn, New York.



Photograph #2 - View of easterly adjoining properties.

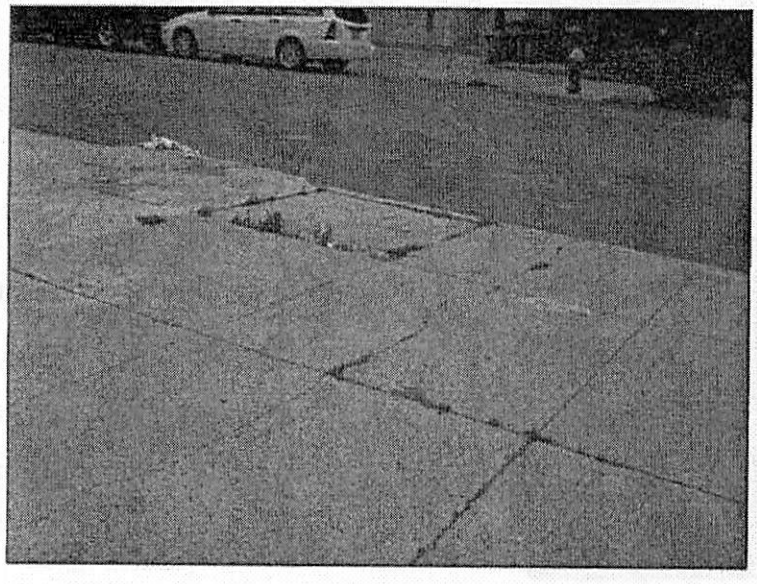


Photograph #3 - View of the westerly adjoining properties.

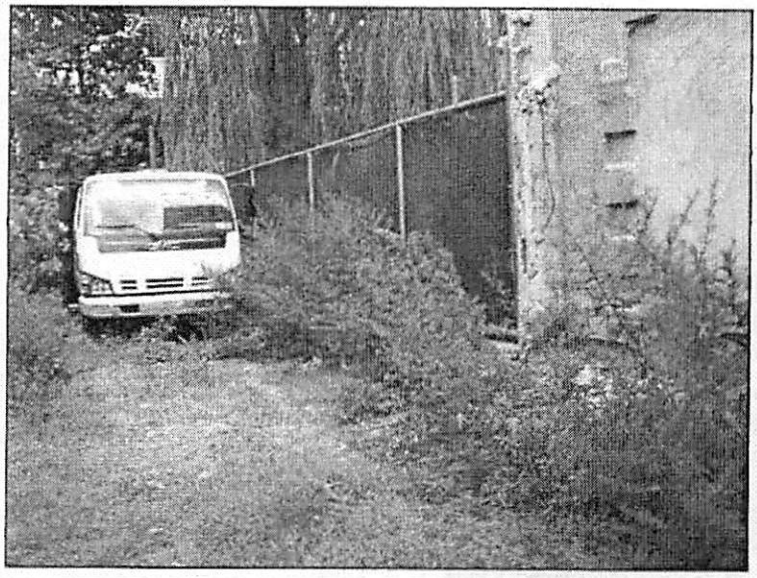


Photograph #4 - View of properties to the south across Union Street.

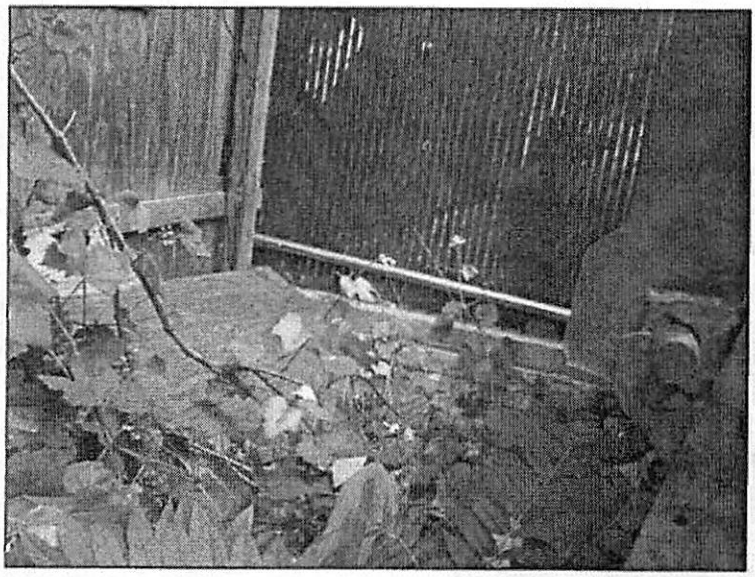
Photograph #5 - View of the vacant property used for parking owner vehicles.



Photograph #6 – View of the sidewalk area in front of the subject property.

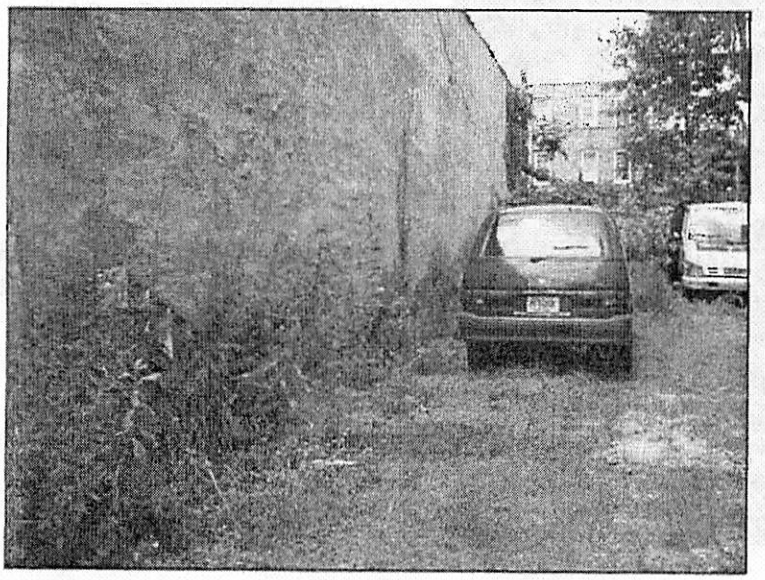


Photograph #7 - View along the east side of the site.



Photograph #8 - View of piled lumber in the northeast corner of the site.

Photograph #9 - View to the south.



Photograph #10 - View to the north along the east side of the site.

PHASE II ENVIRONMENTAL SUBSURFACE INVESTIGATION

107 UNION STREET
BROOKLYN, NEW YORK

Project No. 10742
Regulatory Tracking Nos. 11BSA009K/11DEPTECH010K

Prepared for:

PASSIV HOUSE XPERIMENTAL LLC
131 UNION STREET
BROOKLYN, NEW YORK 11231

FEBRUARY 2011

Prepared by:

EEA *Inc.*

55 Hilton Avenue, Garden City, New York 11510
Environmental Consultants To Industry And Government Since 1979
www.eeaconsultants.com

PHASE II ENVIRONMENTAL SUBSURFACE INVESTIGATION
PROPERTY LOCATED AT
107 UNION STREET
BROOKLYN, NEW YORK
BLOCK 335, LOT 42
11DEPTECH010K, 11BSA009K

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III.	RESULTS OF LABORATORY ANALYSES	5
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FIGURES: Figures 1: Site Plan

TABLES:
Table 1: Soil Analytical Results: Volatile Organic Compounds
Table 2: Soil Analytical Results: Semi-Volatile Organic Compounds
Table 3: Soil Analytical Results: Pesticides and PCBs
Table 4: Soil Analytical Results: Metals
Table 5: Water Analytical Results: Volatile Organic Compounds
Table 6: Water Analytical Results: Semi-Volatile Organic Compounds
Table 7: Water Analytical Results: Pesticides and PCBs
Table 8: Water Analytical Results: Metals

APPENDIX:
A. Site Photographs
B. Chain-of-Custody Record
C. Laboratory Analytical Report
D. Soil Boring Log Reports
E. NYCDEP Approval Letter

PHASE II ENVIRONMENTAL SUBSURFACE INVESTIGATION
PROPERTY LOCATED AT
107 UNION STREET
BROOKLYN, NEW YORK
BLOCK 335, LOT 42
11DEPTECH010K, 11BSA009K

Executive Summary

EEA, Inc. performed a Phase II Environmental Subsurface Investigation at the property located at 107 Union Street in Brooklyn, New York.

The subject property encompasses approximately 2,300 square feet and is occupied by a dirt, gravel and weed covered vacant lot. The proposed project development would facilitate construction of a 4,600 square foot, two-family, four-story residential building with a ground floor studio apartment. The construction of this structure would also include the installation of sub-grade cellar beneath the proposed building, which means, soils would be excavated to a depth of approximately 10'10" below the current grade. The location of the subject property is shown on **Figure 1**.

All subsurface investigation work was performed in accordance with the New York City Department of Environmental Protection (NYCDEP) approved EEA's Investigation Work Plan (IWP) and Health and Safety Plan (HASP); furthermore, approval was granted and stated in NYCDEP's letter dated January 6, 2010 (see **Appendix E**).

Soil Quality Conditions

A total of two (2) soil borings, with sampling designations B-1, B-2, were advanced at the subject property. Two (2) soil samples from each soil borings were collected and submitted for laboratory analysis. Furthermore, a total of four (4) soil samples were collected as part of this investigation. The soil sample collection locations are presented in **Figure 1**. The laboratory soil analytical results are summarized and presented on **Tables 1, 2, 3, and 4**.

Soil on the grounds of the subject property consisted of urban fill material (i.e., fine silty tan sand with some asphalt and brick) to a depth of approximately six (6) feet below grade. Soil below the six (6) foot depth predominantly consisted of a tan silty fine sand. Field inspection, via visual, olfactory and PID screening methods, did not identify the presence of significant contamination in soils on the subject property. The laboratory analytical results did not detect any VOCs and PCBs in any of the soil samples at concentrations exceeding the New York State Department of Conservation (NYSDEC) Unrestricted Use Brownfield Cleanup Objectives (USCOs).

Heavy metals, such as copper, lead, selenium, zinc, and mercury were detected in 0 to 2 foot soil samples (B-1 and B-2) at concentrations exceeding their respective NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. No metals were detected in deeper soil

samples at concentrations exceeding NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. The metals detected in the 0-2 foot samples are typical of "Urban Fill Soil" quality conditions.

Semi-Volatile Organic Compounds (SVOCs), such as Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Chrysene, were detected in 0 to 2 foot soil samples at concentrations exceeding their respective NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. No SVOCs were detected in deeper soil samples at concentrations exceeding NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. The SVOCs detected in the 0-2 foot samples are typical of "Urban Fill Soil" quality conditions.

Pesticides, such as 4,4'-DDT and 4,4'-DDE, were detected in 0 to 2 foot soil samples at concentrations exceeding their respective NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. No pesticides were detected in deeper soil samples at concentrations exceeding NYSDEC Unrestricted Use Brownfield soil cleanup. The presence of the pesticides detected in the 0-2 foot samples is likely due to the presence of "Urban Fill Soil" on the grounds of the subject property.

Property Ground Water

There were no field observations of potential groundwater contamination in the groundwater collected from B-1W. Groundwater was encountered at approximately 7 feet below surface grade in both soil borings. Laboratory analysis of the groundwater sample did not detect any VOCs, SVOCs, Pesticides, and PCBs at concentration exceeding the NYSDEC Technical and Operational Guidance Series (TOGS) groundwater quality standards. The laboratory analytical results of the above mentioned parameters are summarized and presented in **Tables 5, 6, and 7.**

Several TAL metals (i.e., arsenic, barium, beryllium, chromium, lead, manganese, nickel, selenium, and iron) were detected in unfiltered groundwater samples at concentrations exceeding their respective NYSDEC TOGS 1.1.1 GQS. However, no metals were detected at levels exceeding TOGS guidelines in the filtered groundwater sample. These metal exceedences in the unfiltered sample are likely the result of dissolved soil particles present in groundwater. Furthermore, the groundwater on site is not considered an aquifer and is not used for drinking or any other water supply uses. The laboratory analytical results of metal concentrations in groundwater are summarized and presented in **Table 8.**

Conclusions and Recommendations

Based on field observations, the chemical concentrations of SVOCs, metals and pesticides in the soils, and metals in groundwater, beneath the subject property indicate the presence of "Urban Fill Soil" to a depth of approximately six feet below grade. "Urban Fill Soils" are common and typical of industrial/commercial properties found throughout the metropolitan area. The soil below six (6) feet was observed to be native, glacial fluvial deposits of outwash silty sand with trace fine gravel.

The levels of SVOCs, metals and pesticides are background for this area of New York City; therefore, no recommendations for additional investigation are being made for this property at this time. The concentrations of chemical parameters identified in the soil are typical of industrial/commercial "Urban Fill' properties in the New York metropolitan area. If these soils [0 to 6 feet below surface grade] are excavated and removed from the property as part of the redevelopment then these soils will have to be handled and disposed in accordance with NYSDEC solid waste (Part 360) guidelines. The NYCDEP may require a Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) to be developed and approved by NYCDEP prior to any site excavation activities.

The NYSDEC has developed the "guidelines" in order for DEC case managers to determine potential cleanup recommendations at various sites throughout the state. The NYSDEC considers each site on a case-by-case basis in consideration of the history and district of property usage and its location to sensitive human, wildlife and environmental interests. Industrial and commercial properties are treated differently than residential or environmentally sensitive areas.

EEA recommends submitting this report to NYCDEP for their review and comment.

I. INTRODUCTION

EEA, Inc. performed a Phase II Environmental Subsurface Investigation at the property located at 107 Union Street in Brooklyn, New York.

The subject property encompasses approximately 2,300 square feet and is occupied by a dirt, gravel and weed covered vacant lot. The proposed project development would facilitate construction of a 4,600 square foot, two-family, four-story residential building with a ground floor studio apartment. The construction of this structure would also include the installation of sub-grade cellar beneath the proposed building, which means, soils would be excavated to a depth of approximately 10'10" below the current grade. The location of the subject property is shown on **Figure 1**.

All subsurface investigation work was performed in accordance with the New York City Department of Environmental Protection (NYCDEP) approved EEA's Investigation Work Plan (IWP) and Health and Safety Plan (HASP); furthermore, approval was granted and stated in NYCDEP's letter dated January 6, 2010 (see **Appendix E**).

EEA initiated and completed field activities on January 21, 2011. This report summarizes the work performed, the results of the investigation, and associated recommendations.

II. SCOPE OF WORK PERFORMED

Two (2) soil borings (B-1, B-2) were advanced on-site using a Geoprobe LT 54 drill rig. A total of four (4) soil samples were collected as part of this investigation. Two (2) soil samples from each soil borings were collected and submitted for laboratory analysis. Samples were field screened for volatile organic vapors using a photo ionization detector (PID). The soil sample collection locations are presented in **Figure 1**.

EEA collected one (1) 0 to 2 foot and one (1) 10 to 12 foot soil sample from borings B-1 and B-2. It should be noted that borings were advanced below the level of the proposed foundation for the planned building, which is approximately 10'10" below surface grade. The samples were directed toward those areas likely to have accumulated the highest contaminant levels as observed during sampling. Soil samples at all depths were screened using a photo ionization detector (PID).

At each soil boring location, two (2) soil samples were collected and analyzed for VOCs using EPA Method 8260, SVOCs using EPA Method 8270BN, Pesticides and PCBs using EPA Method 8081/8082 and TAL Metals.

A groundwater sample, B-1W, was obtained from boring location B-1, using a temporary PVC screen monitoring well with the Geoprobe drill rig. Furthermore, to obtain this sample, an inertial pump consisting of a stainless steel check valve and ball, was utilized. The inertial pump was fitted with dedicated polyethylene tubing, which allowed the groundwater to be brought up

to the ground surface for collection. Each groundwater sample was placed into two (2) pre-cleaned forty milliliter vials, two (2) one-liter amber and two (2) plastic jars for metal analysis. These samples were submitted to the State certified laboratory for analysis. The groundwater samples were collected and analyzed for VOCs using EPA Method 8260, SVOCs using EPA Method 8270BN, Pesticides and PCBs using EPA Method 8081/8082 and TAL Metals. The groundwater sample collection locations are presented in **Figure 1**.

a. Health and Safety Plan

EEA used NYCDEP approved site-specific Health and Safety Plan for performing this Phase II Environmental Subsurface Investigations. The HASP assigns responsibilities, establishes personal protection standards, recommends operating procedures, and provides for contingencies that may arise during performance of the assessment at the site. The protocols in the HASP apply to all personnel involved in the work activities including EEA, all outside subcontractors, client, or regulatory agencies present during the performance of the work. In addition, the following safety equipment is maintained on-site for responding to potential emergency situations: portable eyewash, ABC fire extinguisher, and first aid kit. Telephone numbers of emergency response units in the area are also posted where all those working at the site can easily see them. All personnel working at the site will also be required to receive training in respirator fitting, emergency procedures, equipment decontamination and specific task procedures. All personnel involved with the collection of soil or water will have successfully completed the 40-hour OSHA Hazardous Materials Training Program.

b. Subsurface Utility Location, Permits and Bonding

EEA notified the DigNet of New York City and Long Island under the New York State Regulation Code 753 prior to initiating the work to identify the location of underground utilities in the vicinity of the proposed boring locations. Any permits for soil boring were obtained from the local agencies. In addition, any license and permit bonding required was secured for the work.

III. RESULTS OF LABORATORY ANALYSES

York Analytical Laboratories, Inc. (NYSDOH Certification No. 10854) prepared the results of the soil samples. **Tables 1 through 4** present a summary of the soil sampling results and a comparison to New York State Department of Environmental Conservation 6 NYCRR Part 375-6.8(a) Brownfield unrestricted use soil cleanup objectives (USCOs). **Tables 5 through 8** present a summary of the groundwater sampling results and a comparison to NYSDEC TOGS 1.1.1 Groundwater Quality Standards (GQS). The chain-of-custody records, as well as the analytical laboratory data sheets, are presented in the Appendix to this report.

IV. FINDINGS

Property Soil Quality

Field inspection, via visual, olfactory and PID screening methods, did not identify the presence of significant contamination in soils on the subject property. The laboratory analytical results did not detect any VOCs, and PCBs in any of the soil samples at concentrations exceeding the New York State Department of Conservation (NYSDEC) Unrestricted Use Brownfield Cleanup Objectives (USCOs).

Heavy metals, such as copper, lead, selenium, zinc, and mercury were detected in 0 to 2 foot soil samples (B-1, B-2) at concentrations exceeding their respective NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. No metals were detected in deeper soil samples at concentrations exceeding NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. These metals are typical of "Urban Fill Soil" quality conditions.

Semi-Volatile Organic Compounds (SVOCs), such as Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Chrysene, were detected in 0 to 2 foot soil samples (B-1, B-2) at concentrations exceeding their respective NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. No SVOCs were detected in deeper soil samples at concentrations exceeding NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. These SVOCs are typical of "Urban Fill Soil" quality conditions.

Pesticides, such as 4,4'-DDT and 4,4'-DDE, were detected in 0 to 2 foot soil samples (B-1, B-2) at concentrations exceeding their respective NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. No pesticides were detected in deeper soil samples at concentrations exceeding NYSDEC Unrestricted Use Brownfield soil cleanup. The presence of these pesticides is likely due to the presence of "Urban Fill Soil" on the grounds of the subject property.

Property Groundwater Quality

Groundwater was encountered at approximately 7 feet below surface grade in both soil borings. There were no field observations of potential groundwater contamination in the groundwater collected from B-1W. Laboratory analysis of groundwater samples did not detect any VOCs, SVOCs, Pesticides, and PCBs at concentration exceeding the NYSDEC Technical and Operational Guidance Series (TOGS) groundwater quality standards. The laboratory analytical results of the above mentioned parameters are summarized and presented in **Tables 5, 6, and 7.**

Several TAL metals (i.e., arsenic, barium, beryllium, chromium, lead, manganese, nickel, selenium, and iron) were detected in the unfiltered groundwater sample at concentrations exceeding their respective NYSDEC TOGS 1.1.1 GQS. However, no metals were detected at levels exceeding TOGS guidelines in the filtered groundwater sample. These metal exceedences in the unfiltered sample are likely the result of dissolved soil particles present in groundwater. Furthermore, the groundwater on site is not considered an aquifer and is not used for drinking or

any other water supply uses. The laboratory analytical results of metal concentrations in groundwater are summarized and presented in **Table 8.**

Conclusions

Based on field observations, the chemical concentrations of SVOCs, metals and pesticides in the soils, and metals in groundwater, beneath the subject property indicate the presence of "Urban Fill Soil" to a depth of approximately six feet below grade. "Urban Fill Soils" are common and typical of industrial/commercial properties found throughout the metropolitan area. The soil below six (6) feet was observed to be native, glacial fluvial deposits of outwash silty sand with trace fine gravel.

The levels of SVOCs, metals and pesticides are background for this area of New York City.

The NYSDEC has developed the "guidelines" in order for DEC case managers to determine potential cleanup recommendations at various sites throughout the state. The NYSDEC considers each site on a case-by-case basis in consideration of the history and district of property usage and its location to sensitive human, wildlife and environmental interests. Industrial and commercial properties are treated differently than residential or environmentally sensitive areas.

V. RECOMMENDATIONS

No recommendations for additional investigation are being made for this property at this time. The concentrations of chemical parameters identified in the soil are typical of industrial/commercial "Urban Fill" properties in the New York metropolitan area. If these soils [0 to 6 feet below surface grade] are excavated and removed from the property as part of the redevelopment then these soils will have to be handled and disposed in accordance with NYSDEC solid waste (Part 360) guidelines. The NYCDEP may require a Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) to be developed and approved by NYCDEP prior to any site excavation activities.

EEA recommends submitting this report to NYCDEP for their review and comments.

VI. SAMPLING METHODOLOGY

a. Soil and Groundwater Sampling

Soil and groundwater samples were obtained by a Geoprobe drill rig. The soil and groundwater samples were collected and placed in laboratory pre-cleaned sample jars. The sample jars were then placed in a cooler and chilled to a temperature of 4 degrees C.

b. Quality Assurance and Quality Control QA/QC Plan

EEA implements a QA/QC Plan to ensure sample integrity and avoid contamination and/or cross-contamination of samples. All sampling equipment is cleaned before each sample is collected. The following procedures are followed in the decontamination process:

Step 1: Steam clean equipment.
Step 2: Scrub with a bristle brush using a non-phosphate detergent (such as Alconox).
Step 3: Rinse with hot tap water.
Step 4: Rinse twice with deionized water.
Step 5: Air dry.
Step 6 Nitric Acid (5%) solution rinse (if sampling for metals)
Step 7: Rinse twice with deionized water.
Step 8: Air dry.

VII. QUALIFICATIONS

EEA, Inc. is an environmental consulting firm that has undertaken environmental pollution investigations, development feasibility studies, and environmental site assessment studies since 1979. These site evaluation studies have been prepared for major lenders, public corporations, businesses, developers and governmental agencies. Approximately 4,000 parcels have been evaluated in the metropolitan New York-New Jersey area during the past twenty years, ranging from Phase I Environmental Site Assessments to comprehensive subsurface hazardous material investigations and testing programs. EEA also prepares bid specifications for remedial cleanup actions and supervises site cleanup.

EEA's principals and senior managers for the hazardous waste investigations each have over 20 years experience in environmental consulting, with established credentials in the field.

Individual qualifications of EEA personnel, including specific credentials of persons involved in the preparation of this report can be provided upon request.

VIII. DISCLAIMER

This report is for use by Passiv House Xperimental LLC and is only to be used as a guide in determining the potential for contamination by toxic or hazardous materials on the subject property at the time of the site visit. This Phase II Environmental Subsurface Investigation was undertaken in accordance with generally accepted protocols, including ASTM Standards Related to the Phase II Environmental Site Assessment Process. This Phase II Investigation is based principally on the review of historic and regulatory records (made available within a reasonable time period), relating to past occupants and usage of the subject property, as well as activities at nearby sites, and upon a visual assessment of the subject property, and makes no determinations with respect to portions of the subject property and its structures which were not inspected. Our professional services have been performed using that degree of care and skill ordinarily exercised under similar circumstances by reputable qualified professionals practicing in this or

similar situations. The interpretation of the field data is based on good judgment and experience. However, no matter how qualified the professional or detailed the investigation, subsurface conditions cannot always be predicted beyond the points of actual sampling and testing. No other warranty, expressed or implied, is made to the professional advice included in this report.

Any and all liability on the part of EEA, Inc. shall be limited solely to EEA's professional liability insurance (errors and omissions coverage of one million dollars). EEA, Inc. shall have no liability for any other damages, whether consequential, compensatory, punitive, or special, arising out of, incidental to, or as a result of, this assessment. EEA, Inc. assumes no liability for the use of this report by any person or entity other than the institution and/or entities or persons for whom it has been prepared.

IX. REFERENCES

1. *NYSDEC Bureau of Spill Prevention & Response Sampling Guidelines and Protocols, March 1991.*

2. *DER-10 Technical Guidance for Site Investigation and Remediation, Date Issued May 3, 2010.*

3. *Principals of Groundwater Engineering, William C. Walton, Lewis Publishers, Inc., 1991.*

4. *NYSDEC Brownfield Cleanup Program, Soil Cleanup Objectives, 6 NYCRR Part 375-6.8, 12/14/2006.*

5. *NYCDEP approved EEA's Investigation Work Plan and Health and Safety Plan dated December 2010.*

FIGURES

Legend

B-1 – soil sample location

B-1GW – groundwater sample location

- Property Boundary

EEA, Inc.

55 Hilton Avenue
Garden City, New York
(516) 746-4400

Property Located at:

107 Union Street
Brooklyn, New York

Figure 1: Site Plan

TABLES

Table 1

Soil Samples Volatile Organic Analytical Results

107 Union Street, Brooklyn, New York

Sample Identification	S-1	S-2	S-3	S-4	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
Boring Number	B-1 0'-2'	B-1 10'-12'	B-2 0'-2'	B-2 10'-12'	
Sample Date	1/21/2011	1/21/2011	1/21/2011	1/21/2011	
Sample Matrix	Soil	Soil	Soil	Soil	
Units	ug/kg	ug/kg	ug/kg	ug/kg	
Volatile Organic Compounds (µg/kg) - EPA Method 8260					
1,1,1,2-Tetrachloroethane	<12	<12	<12	<12	NS
1,1,1-Trichloroethane	<12	<12	<12	<12	680
1,1,2,2-Tetrachloroethane	<12	<12	<12	<12	NS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	<12	<12	<12	<12	NS
1,1,2-Trichloroethane	<12	<12	<12	<12	NS
1,1-Dichloroethane	<12	<12	<12	<12	270
1,1-Dichloroethylene	<12	<12	<12	<12	330
1,1-Dichloropropylene	<12	<12	<12	<12	NS
1,2,3-Trichlorobenzene	<23	<23	<24	<24	NS
1,2,3-Trichloropropane	<12	<12	<12	<12	NS
1,2,4-Trichlorobenzene	<23	<23	<24	<24	NS
1,2,4-Trimethylbenzene	**6.9**	<12	<12	<12	NS
1,2-Dibromo-3-chloropropane	<23	<23	<24	<24	NS
1,2-Dibromoethane	<12	<12	<12	<12	NS
1,2-Dichlorobenzene	<12	<12	<12	<12	1,100
1,2-Dichloroethane	<12	<12	<12	<12	20
1,2-Dichloropropane	<12	<12	<12	<12	NS
1,3,5-Trimethylbenzene	**3.3**	<12	<12	<12	NS
1,3-Dichlorobenzene	<12	<12	<12	<12	2,400
1,3-Dichloropropane	<12	<12	<12	<12	NS
1,4-Dichlorobenzene	<12	<12	<12	<12	1,800
2,2-Dichloropropane	<12	<12	<12	<12	NS
2-Chlorotoluene	<12	<12	<12	<12	NS
4-Chlorotoluene	<12	<12	<12	<12	NS
Benzene	<12	<12	<12	<12	60
Bromobenzene	<12	<12	<12	<12	NS
Bromochloromethane	<12	<12	<12	<12	NS
Bromodichloromethane	<12	<12	<12	<12	NS
Bromoform	<12	<12	<12	<12	NS
Bromomethane	<12	<12	<12	<12	NS
Carbon tetrachloride	<12	<12	<12	<12	760
Chlorobenzene	<12	<12	<12	<12	1,100
Chloroethane	<12	<12	<12	<12	NS
Chloroform	<12	<12	<12	<12	370
Chloromethane	<12	<12	<12	<12	NS
cis-1,2-Dichloroethylene	<12	<12	<12	<12	250
cis-1,3-Dichloropropylene	<12	<12	<12	<12	NS
Dibromochloromethane	<12	<12	<12	<12	NS
Dibromomethane	<12	<12	<12	<12	NS
Dichlorodifluoromethane	<12	<12	<12	<12	NS
Ethyl Benzene	**4.9**	<12	<12	<12	1,000
Hexachlorobutadiene	<12	<12	<12	<12	NS
Isopropylbenzene	<12	<12	<12	<12	NS
Methyl tert-butyl ether (MTBE)	<12	<12	<12	<12	930
Methylene chloride	**31**	**19**	**21**	**20**	50
Naphthalene	**11**	<23	<24	<24	12,000
n-Butylbenzene	<12	<12	<12	<12	12,000
n-Propylbenzene	<12	<12	<12	<12	3,900
o-Xylene	**4.2**	<12	<12	<12	NS
p- & m- Xylenes	**14**	<23	<24	<24	260
p-Isopropyltoluene	<12	<12	<12	<12	NS
sec-Butylbenzene	<12	<12	<12	<12	11,000
Styrene	<12	<12	<12	<12	NS
tert-Butylbenzene	<12	<12	<12	<12	5,900
Tetrachloroethylene	<12	<12	<12	<12	1,300
Toluene	**2.9**	<12	**2.0**	<12	700
trans-1,2-Dichloroethylene	<12	<12	<12	<12	190
trans-1,3-Dichloropropylene	<12	<12	<12	<12	NS
Trichloroethylene	<12	<12	<12	<12	470
Trichlorofluoromethane	<12	<12	<12	<12	NS
Vinyl Chloride	<12	<12	<12	<12	20
Xylenes, Total	**18**	<35	<36	<35	260

NS : No Standard

ug/kg…micrograms per kilogram

Bold values indicate concentrations exceeding laboratory method detection limits.

Table 2
Soil Samples Semi-Volatile Organic Analytical Results
107 Union Street, Brooklyn, New York

Sample Identification	S-1	S-2	S-3	S-4	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
Boring Number	B-1 0'-2'	B-1 10'-12'	B-2 0'-2'	B-2 10'-12'	
Sample Date	1/21/2011	1/21/2011	1/21/2011	1/21/2011	
Sample Matrix	Soil	Soil	Soil	Soil	
Units	ug/kg	ug/kg	ug/kg	ug/kg	
Semi-Volatile Organic Compounds (µg/kg) - EPA Method 8270					
Acenaphthene	**859**	<196	**342**	<196	20,000
Acenaphthylene	**113**	<196	**215**	<196	100,000
Aniline	<192	<196	<202	<196	NG
Anthracene	**1210**	**73.2**	**777**	**58.9**	**100,000**
Benzo(a)anthracene	**2300**	**130**	**2650**	**162**	**1,000**
Benzo(a)pyrene	**1860**	**92.0**	**2340**	**141**	**1,000**
Benzo(b)fluoranthene	**2380**	**107**	**2480**	**124**	**1,000**
Benzo(g,h,i)perylene	**215**	<196	**268**	<196	100,000
Benzo(k)fluoranthene	**2070**	<196	**2210**	**151**	800
Benzyl butyl phthalate	<192	<196	<202	<196	NG
4-Bromophenyl phenyl ether	<192	<196	<202	<196	NG
4-Chloro-3-methylphenol	<192	<196	<202	<196	NG
4-Chloroaniline	<192	<196	<202	<196	NG
Bis(2-chloroethoxy)methane	<192	<196	<202	<196	NG
Bis(2-chloroethyl)ether	<192	<196	<202	<196	NG
Bis(2-chloroisopropyl)ether	<192	<196	<202	<196	NG
Bis(2-ethylhexyl)phthalate	<192	<196	<202	**78.9**	NG
2-Chloronaphthalene	<192	<196	<202	<196	NG
4-Chlorophenyl phenyl ether	<192	<196	<202	<196	NG
Chrysene	**2110**	**122**	**2510**	**156**	1,000
Dibenzo(a,h)anthracene	**121**	<196	<202	<196	330
Dibenzofuran	<192	<196	<202	<196	7,000
Di-n-butyl phthalate	<192	<196	<202	<196	NG
1,2-Dichlorobenzene	<192	<196	<202	<196	NG
1,4-Dichlorobenzene	<192	<196	<202	<196	NG
1,3-Dichlorobenzene	<192	<196	<202	<196	NG
3,3'-Dichlorobenzidine	<192	<196	<202	<196	NG
Diethyl phthalate	<192	<196	<202	<196	NG
Dimethyl phthalate	<192	<196	<202	<196	NG
2,6-Dinitrotoluene	<192	<196	<202	<196	NG
2,4-Dinitrotoluene	<192	<196	<202	<196	NG
Di-n-octyl phthalate	<192	<196	<202	<196	NG
Fluoranthene	**3300**	**287**	**2390**	**273**	100,000
Fluorene	**769**	<196	**370**	<196	30,000
Hexachlorobenzene	<192	<196	<202	<196	NG
Hexachlorobutadiene	<192	<196	<202	<196	NG
Hexachlorocyclopentadiene	<192	<196	<202	<196	NG
Hexachloroethane	<192	<196	<202	<196	NG
Indeno(1,2,3-cd)pyrene	**286**	<196	**339**	<196	500
Isophorone	<192	<196	<202	<196	NG
2-Methylnaphthalene	**148**	<196	**74.3**	<196	NG
Naphthalene	**281**	<196	**65.8**	<196	12,000
3-Nitroaniline	<192	<196	<202	<196	NG
4-Nitroaniline	<192	<196	<202	<196	NG
Nitrobenzene	<192	<196	<202	<196	NG
N-nitroso-di-n-propylamine	<192	<196	<202	<196	NG
N-Nitrosodimethylamine	<192	<196	<202	<196	NG
N-Nitrosodiphenylamine	<192	<196	<202	<196	NG
Phenanthrene	**3010**	**293**	**2540**	**200**	100,000
Pyrene	**3120**	**257**	**3600**	**277**	100,000
Pyridine	<192	<196	<202	<196	NG
1,2,4-Trichlorobenzene	<192	<196	<202	<196	NG

NS : No Standard

ug/kg…micrograms per kilogram

Shaded values represents concentration exceeding NYSDEC TAGM 4046 soil cleanup guidelines

Table 3

Soil Samples Pesticides and PCBs Analytical Results

107 Union Street, Brooklyn, New York

Sample Identification	S-1	S-2	S-3	S-4	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
Boring Number	B-1 0'-2'	B-1 10'-12'	B-2 0'-2'	B-2 10'-12'	
Sample Date	1/21/2011	1/21/2011	1/21/2011	1/21/2011	
Sample Matrix	Soil	Soil	Soil	Soil	
Pesticides - EPA Method 8081 (ug/kg)					
Toxaphene	<380	<388	<400	<389	NS
Methoxychlor	<19.0	<19.4	<20.0	<19.4	NS
Heptachlor epoxide	<3.80	<3.88	<4.00	<3.89	NS
Heptachlor	<3.80	<3.88	<4.00	<3.89	42
gamma-BHC (Lindane)	<3.80	<3.88	<4.00	<3.89	NS
Endrin ketone	<3.80	<3.88	<4.00	<3.89	NS
Endrin aldehyde	<3.80	<3.88	<4.00	<3.89	NS
Endrin	<3.80	<3.88	<4.00	<3.89	14
Endosulfan sulfate	<3.80	<3.88	<4.00	<3.89	2,400
Endosulfan II	<3.80	<3.88	<4.00	<3.89	2,400
Endosulfan I	<3.80	<3.88	<4.00	<3.89	2,400
Dieldrin	<3.80	<3.88	<4.00	<3.89	5
delta-BHC	<3.80	<3.88	<4.00	<3.89	40
Chlordane, total	<15.2	<15.5	**51.3**	<15.6	NS
beta-BHC	<3.80	<3.88	<4.00	<3.89	36
alpha-BHC	<3.80	<3.88	<4.00	<3.89	20
Aldrin	<3.80	<3.88	<4.00	<3.89	5
4,4'-DDT	**31.6**	<3.88	**25.6**	<3.89	3.3
4,4'-DDE	**6.61**	<3.88	**8.89**	<3.89	3.3
4,4'-DDD	<3.80	<3.88	<4.00	<3.89	3.3
PCBs - EPA Method 8082 (mg/kg)					
Aroclor 1260	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1254	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1248	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1242	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1232	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1221	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1016	<19.6	<20.0	<20.6	**<20.0**	100

NS : No Standard

ug/kg…micrograms per kilogram *mg/kg…milligram per kilogram*

Bold values indicate concentrations exceeding laboratory method detection limits.

Table 4
Soil Samples Inorganic Analytical Results
107 Union Street, Brooklyn, New York

Sample Identification	S-1	S-2	S-3	S-4	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
Boring Number	B-1 0'-2'	B-1 10'-12'	B-2 0'-2'	B-2 10'-12'	
Sample Date	1/21/2011	1/21/2011	1/21/2011	1/21/2011	
Sample Matrix	Soil	Soil	Soil	Soil	
Units	mg/kg	mg/kg	mg/kg	mg/kg	
Metals (TAL) (mg/kg)					
Aluminum	**3800**	**4420**	**2650**	**4150**	NS
Antimony	**1.08**	<0.352	**1.52**	<0.353	NS
Arsenic	**8.84**	**3.21**	**9.69**	**4.19**	13
Barium	**191**	**39.9**	**130**	**22.1**	350
Beryllium	<0.115	<0.117	<0.121	<0.118	7.2
Cadmium	<0.575	<0.587	<0.605	<0.589	2.5
Calcium	**15200**	**689**	**22600**	**538**	NS
Chromium	**10.4**	**7.05**	**7.15**	**6.78**	30
Cobalt	**4.95**	**4.82**	**2.92**	**4.96**	NS
Copper	**55.8**	**9.32**	**41.6**	**6.13**	50
Iron	**11500**	**11600**	**13600**	**11200**	NS
Lead	**483**	**6.29**	**342**	**4.94**	63
Magnesium	**2090**	**1560**	**1250**	**1100**	NS
Manganese	**197**	**140**	**108**	**114**	1600
Nickel	**12.5**	**6.50**	**4.52**	**6.82**	30
Potassium	**800**	**562**	**540**	**489**	NS
Selenium	**4.12**	**2.93**	**4.19**	**2.86**	3.9
Silver	<0.575	<0.587	<0.605	<0.589	2
Sodium	**329**	**196**	**335**	**206**	NS
Thallium	<0.575	<0.587	<0.605	<0.589	NS
Vanadium	**13.8**	**9.54**	**7.54**	**12.0**	NS
Zinc	**207**	**25.2**	**203**	**24.4**	109
Mercury	**1.23**	<0.117	**0.460**	<0.118	0.18

NS : No Standard
m/kg…miligram per kilogram
Shaded values represents concentration exceeding NYSDEC TAGM 4046 soil cleanup guidelines.

APPENDICES

APPENDIX A

PHOTOGRAPHS

PHOTOGRAPHS
107 Union Street, Brooklyn, NY

Fig1. View of boring B-1 being installed at 107 Union Street, Brooklyn, NY.

Fig2. View of groundwater sample taken from boring B-1.

Fig 3. Close-up view of soil obtained from the 10’-12’ section of soil boring B-1.

Fig 4. View of soil boring B-2 being installed in middle of property lot.

Fig 5. Close-up view of soil obtained from the 0’-2’ section of soil boring B-2.

APPENDIX B

CHAIN OF CUSTODY

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

Field Chain-of-Custody Record

Page 1 of 1

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. 11A0547

Client Information	Report To:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: EEA, Inc.	Company: SAME	Company: SAME	10742	24 hr ____	Summary Results Only ____ QA/QC Summary ____
Address: 55 Hilton Ave Garden City, NY	Address:	Address:	Purchase Order No.	48 hr ____	RCP Package ____ ASP B Pkg ____
Phone No. 516-746-4400	Phone No.	Phone No.		72 hr ____	ASP A Pkg ____ Excel format X
Contact Person: Sean Martin Nick Recchia	Attention:	Attention: Nancy		5 Day ____	EDD ____ OTHER PDF + XCEL
E-Mail Address: smartin@eeaconsultants.com	E-Mail Address:	E-Mail Address: Same		Standard X	

[redacted]

Samples Collected/Authorized By (Signature): Sean Martin

Name (printed): Sean Martin

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			Special Instructions
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color	Field Filtered ☐
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols	Lab to Filter ☐
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	Indiv. Metals	Air STARS	Part 360-Expanded No Dioxin/Furans	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	NYCDEPSewer	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	

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below							Container Description(s)
B-1 0'-2'	01/21/11	S	8260 Full	~~8270~~ BN	8081/8082 TAL					2 jars
B-1 10'-12'	01/21/11	S	↓	BN only	8081/8082 TAL					↓
B-1 GW	01/21/11	GW	↓	↓	↓	TAL (filtered + unfiltered)				2 amber 2 VOAs 2 poly
B-2 0'-2'	01/21/11	S	↓	↓	↓	↓				2 jars
B-2 10'-12'	01/21/11	S	↓	↓	↓	↓				↓

Comments
"E" designated site - pricing applies
All soils analyzed for: 8260 Full, BN only, 8081/8082, and TAL metals (filtered/unfiltered for water sample).

Preservation Check those Applicable								
4°C ____ Frozen ____ HCl MeOH	4°C ____	4°C ____	HNO_3 ____ 4°C	4°C ____ H_2SO_4 ____	4°C ____ Other	4°C ____ ZnAc	H_2SO_4 ____ Ascorbic	NaOH ____ Other

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Sean Martin	01/21/11	[signature]	1/21/11 12:10
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		[signature]	1/21/11 16:20

Temperature on Receipt: 3.8 °C

APPENDIX C

LABORATORY REPORTS

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

EEA, Inc
55 Hilton Ave
Garden City NY, 11530
Attention: Sean Martin

Report Date: 01/31/2011
Client Project ID: 10742
York Project (SDG) No.: 11A0547

Report Date: 01/31/2011
Client Project ID: 10742
York Project (SDG) No.: 11A0547

EEA, Inc
55 Hilton Ave
Garden City NY, 11530
Attention: Sean Martin

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 January 21, 2011 and listed below. The project was identified as your project: **10742**.

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
11A0547-01	B-1 0-2'	Soil	01/21/2011	01/21/2011
11A0547-02	B-1 10-12'	Soil	01/21/2011	01/21/2011
11A0547-03	B-2 0-2'	Soil	01/21/2011	01/21/2011
11A0547-04	B-2 10-12'	Water	01/21/2011	01/21/2011
11A0547-05	B-1 GW	Water	01/21/2011	01/21/2011

General Notes for York Project (SDG) No.: 11A0547

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:** 01/31/2011

Robert Q. Bradley
Managing Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 0-2'** **York Sample ID:** **11A0547-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	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	01/24/2011 14:49	01/25/2011 15:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.92	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
95-63-6	**1,2,4-Trimethylbenzene**	**6.9**	J	ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.55	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
108-67-8	**1,3,5-Trimethylbenzene**	**3.3**	J	ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.87	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
67-66-3	Chloroform	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 0-2'** **York Sample ID:** **11A0547-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	2.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.87	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
100-41-4	**Ethyl Benzene**	**4.9**	J	ug/kg dry	0.87	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-09-2	**Methylene chloride**	**31**	B	ug/kg dry	2.6	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
91-20-3	**Naphthalene**	**11**	J	ug/kg dry	1.2	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.80	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
95-47-6	**o-Xylene**	**4.2**	J	ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
1330-20-7P/M	**p- & m- Xylenes**	**14**	J	ug/kg dry	1.4	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.62	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
108-88-3	**Toluene**	**2.9**	J	ug/kg dry	0.57	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
1330-20-7	**Xylenes, Total**	**18**	J	ug/kg dry	2.6	35	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 0-2'** **York Sample ID:** **11A0547-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	105	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	83.9	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	91.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	65.8	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	83.9	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	91.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	58.5	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
91-57-6	**2-Methylnaphthalene**	**148**	J	ug/kg dry	66.8	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	48.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	69.5	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	80.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	20.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	75.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	55.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	63.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
83-32-9	**Acenaphthene**	**859**		ug/kg dry	111	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
208-96-8	**Acenaphthylene**	**113**	J	ug/kg dry	53.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
62-53-3	Aniline	ND		ug/kg dry	69.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
120-12-7	**Anthracene**	**1210**		ug/kg dry	47.5	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
56-55-3	**Benzo(a)anthracene**	**2300**		ug/kg dry	74.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
50-32-8	**Benzo(a)pyrene**	**1860**		ug/kg dry	50.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
205-99-2	**Benzo(b)fluoranthene**	**2380**		ug/kg dry	73.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
191-24-2	**Benzo(g,h,i)perylene**	**215**		ug/kg dry	57.6	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
207-08-9	**Benzo(k)fluoranthene**	**2070**		ug/kg dry	74.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	80.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	70.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	65.1	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	71.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	64.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
218-01-9	**Chrysene**	**2110**		ug/kg dry	77.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
53-70-3	**Dibenzo(a,h)anthracene**	**121**	J	ug/kg dry	48.5	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	61.9	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	101	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	55.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	57.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 0-2'

York Sample ID: 11A0547-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals

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
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	86.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
206-44-0	**Fluoranthene**	**3300**		ug/kg dry	111	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
86-73-7	**Fluorene**	**769**		ug/kg dry	53.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	31.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	76.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	143	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	69.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**286**		ug/kg dry	70.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
78-59-1	Isophorone	ND		ug/kg dry	71.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
91-20-3	**Naphthalene**	**281**		ug/kg dry	57.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	86.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	69.4	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	111	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
85-01-8	**Phenanthrene**	**3010**		ug/kg dry	70.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
129-00-0	**Pyrene**	**3120**		ug/kg dry	68.8	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
110-86-1	Pyridine	ND		ug/kg dry	74.9	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD

Pesticides/PCBs, EPA TCL 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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.69	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
72-55-9	**4,4'-DDE**	**6.61**		ug/kg dry	2.17	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
50-29-3	**4,4'-DDT**	**31.6**		ug/kg dry	1.70	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
309-00-2	Aldrin	ND		ug/kg dry	2.43	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.86	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	7.82	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	7.82	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.39	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.2	15.2	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.07	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 0-2'

York Sample ID: 11A0547-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL 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
60-57-1	Dieldrin	ND		ug/kg dry	2.24	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.84	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.32	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.94	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
72-20-8	Endrin	ND		ug/kg dry	2.30	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.55	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.67	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.63	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.03	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.67	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.79	19.0	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.82	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
8001-35-2	Toxaphene	ND		ug/kg dry		380	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3800**		mg/kg dry	1.45	2.30	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-36-0	**Antimony**	**1.08**		mg/kg dry	0.161	0.345	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-38-2	**Arsenic**	**8.84**		mg/kg dry	0.219	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-39-3	**Barium**	**191**		mg/kg dry	0.276	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.115	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.150	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-70-2	**Calcium**	**15200**		mg/kg dry	0.050	2.30	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-47-3	**Chromium**	**10.4**		mg/kg dry	0.092	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-48-4	**Cobalt**	**4.95**		mg/kg dry	0.092	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-50-8	**Copper**	**55.8**		mg/kg dry	0.161	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7439-89-6	**Iron**	**11500**		mg/kg dry	0.633	1.15	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7439-92-1	**Lead**	**483**		mg/kg dry	0.115	0.345	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7439-95-4	**Magnesium**	**2090**		mg/kg dry	0.943	2.30	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7439-96-5	**Manganese**	**197**		mg/kg dry	0.092	1.15	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-02-0	**Nickel**	**12.5**		mg/kg dry	0.081	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-09-7	**Potassium**	**800**		mg/kg dry	3.13	11.5	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7782-49-2	**Selenium**	**4.12**		mg/kg dry	0.243	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-22-4	Silver	ND		mg/kg dry	0.104	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-23-5	**Sodium**	**329**		mg/kg dry	7.73	11.5	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 0-2' **York Sample ID:** 11A0547-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		mg/kg dry	0.219	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-62-2	**Vanadium**	**13.8**		mg/kg dry	0.092	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-66-6	**Zinc**	**207**		mg/kg dry	0.081	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.23**		mg/kg dry	0.112	0.115	1	EPA SW846-7471	01/24/2011 15:10	01/24/2011 15:10	AA

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**86.9**		%	0.100	0.100	1	SM 2540G	01/24/2011 16:29	01/24/2011 16:29	MZ

Sample Information

Client Sample ID: B-1 10-12' **York Sample ID:** 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 17:46	01/24/2011 17:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	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	01/24/2011 17:46	01/24/2011 17:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.94	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 10-12'** **York Sample ID:** **11A0547-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.56	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
67-66-3	Chloroform	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.96	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-09-2	**Methylene chloride**	**19**	J, B	ug/kg dry	2.7	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.81	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12'

York Sample ID: 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.63	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
108-88-3	Toluene	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	35	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	107	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	85.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	93.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	67.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	85.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	93.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	59.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	68.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	49.3	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	71.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	81.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	77.3	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	56.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	65.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
83-32-9	Acenaphthene	ND		ug/kg dry	113	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	54.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
62-53-3	Aniline	ND		ug/kg dry	70.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12' **York Sample ID:** 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	**Anthracene**	**73.2**	J	ug/kg dry	48.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
56-55-3	**Benzo(a)anthracene**	**130**	J	ug/kg dry	75.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
50-32-8	**Benzo(a)pyrene**	**92.0**	J	ug/kg dry	51.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
205-99-2	**Benzo(b)fluoranthene**	**107**	J	ug/kg dry	74.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	58.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	75.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	81.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	72.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	66.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	72.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	65.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
218-01-9	**Chrysene**	**122**	J	ug/kg dry	78.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	63.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	103	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	56.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	58.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	88.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
206-44-0	**Fluoranthene**	**287**		ug/kg dry	113	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
86-73-7	Fluorene	ND		ug/kg dry	54.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	31.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	78.3	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	146	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	70.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	72.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
78-59-1	Isophorone	ND		ug/kg dry	72.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
91-20-3	Naphthalene	ND		ug/kg dry	58.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	88.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	70.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	51.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	113	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
85-01-8	**Phenanthrene**	**293**		ug/kg dry	72.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
129-00-0	**Pyrene**	**257**		ug/kg dry	70.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
110-86-1	Pyridine	ND		ug/kg dry	76.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12'

York Sample ID: 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL 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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.73	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.22	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
309-00-2	Aldrin	ND		ug/kg dry	2.48	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.92	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	7.99	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	7.99	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.44	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.5	15.5	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.11	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.29	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.88	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.37	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.98	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
72-20-8	Endrin	ND		ug/kg dry	2.35	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.61	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.70	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.69	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.09	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.70	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.99	19.4	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.99	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
8001-35-2	Toxaphene	ND		ug/kg dry		388	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 10-12'** **York Sample ID:** **11A0547-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4420**		mg/kg dry	1.48	2.35	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-36-0	Antimony	ND		mg/kg dry	0.164	0.352	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-38-2	**Arsenic**	**3.21**		mg/kg dry	0.223	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-39-3	**Barium**	**39.9**		mg/kg dry	0.282	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.117	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.153	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-70-2	**Calcium**	**689**		mg/kg dry	0.051	2.35	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-47-3	**Chromium**	**7.05**		mg/kg dry	0.094	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-48-4	**Cobalt**	**4.82**		mg/kg dry	0.094	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-50-8	**Copper**	**9.32**		mg/kg dry	0.164	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7439-89-6	**Iron**	**11600**		mg/kg dry	0.646	1.17	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7439-92-1	**Lead**	**6.29**		mg/kg dry	0.117	0.352	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7439-95-4	**Magnesium**	**1560**		mg/kg dry	0.963	2.35	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7439-96-5	**Manganese**	**140**		mg/kg dry	0.094	1.17	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-02-0	**Nickel**	**6.50**		mg/kg dry	0.082	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-09-7	**Potassium**	**562**		mg/kg dry	3.19	11.7	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7782-49-2	**Selenium**	**2.93**		mg/kg dry	0.248	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-22-4	Silver	ND		mg/kg dry	0.106	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-23-5	**Sodium**	**196**		mg/kg dry	7.89	11.7	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-28-0	Thallium	ND		mg/kg dry	0.223	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-62-2	**Vanadium**	**9.54**		mg/kg dry	0.094	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-66-6	**Zinc**	**25.2**		mg/kg dry	0.082	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.114	0.117	1	EPA SW846-7471	01/24/2011 15:10	01/24/2011 15:10	AA

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12' **York Sample ID:** 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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**	**85.2**		%	0.100	0.100	1	SM 2540G	01/24/2011 16:29	01/24/2011 16:29	MZ

Sample Information

Client Sample ID: B-2 0-2' **York Sample ID:** 11A0547-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 18:34	01/24/2011 18:34	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.97	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.0	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.5	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-2 0-2'** **York Sample ID:** **11A0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	1.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
67-66-3	Chloroform	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.0	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-09-2	**Methylene chloride**	**21**	J, B	ug/kg dry	2.8	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.84	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.65	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
108-88-3	**Toluene**	**2.0**	J	ug/kg dry	0.60	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 0-2'

York Sample ID: 11A0547-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	2.4	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	36	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	110	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	88.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	96.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	69.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	88.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	96.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	61.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
91-57-6	**2-Methylnaphthalene**	**74.3**	J	ug/kg dry	70.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	50.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	73.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	84.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	79.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	58.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	67.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
83-32-9	**Acenaphthene**	**342**		ug/kg dry	117	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
208-96-8	**Acenaphthylene**	**215**		ug/kg dry	56.5	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
62-53-3	Aniline	ND		ug/kg dry	72.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
120-12-7	**Anthracene**	**777**		ug/kg dry	50.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
56-55-3	**Benzo(a)anthracene**	**2650**		ug/kg dry	78.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
50-32-8	**Benzo(a)pyrene**	**2340**		ug/kg dry	52.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
205-99-2	**Benzo(b)fluoranthene**	**2480**		ug/kg dry	76.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
191-24-2	**Benzo(g,h,i)perylene**	**268**		ug/kg dry	60.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
207-08-9	**Benzo(k)fluoranthene**	**2210**		ug/kg dry	78.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	84.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	74.4	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	68.5	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	75.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	67.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-2 0-2'** **York Sample ID:** **11A0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals **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
218-01-9	**Chrysene**	**2510**		ug/kg dry	81.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	51.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	65.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	106	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	58.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	60.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	90.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
206-44-0	**Fluoranthene**	**2390**		ug/kg dry	117	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
86-73-7	**Fluorene**	**370**		ug/kg dry	56.5	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	32.9	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	80.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	150	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	72.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**339**		ug/kg dry	74.4	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
78-59-1	Isophorone	ND		ug/kg dry	75.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
91-20-3	**Naphthalene**	**65.8**	J	ug/kg dry	60.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	90.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	73.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	52.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	117	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
85-01-8	**Phenanthrene**	**2540**		ug/kg dry	74.5	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
129-00-0	**Pyrene**	**3600**		ug/kg dry	72.4	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
110-86-1	Pyridine	ND		ug/kg dry	78.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-2 0-2'** **York Sample ID:** **11A0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL 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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.78	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
72-55-9	**4,4'-DDE**	**8.89**		ug/kg dry	2.29	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
50-29-3	**4,4'-DDT**	**25.6**		ug/kg dry	1.79	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
309-00-2	Aldrin	ND		ug/kg dry	2.55	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
319-84-6	alpha-BHC	ND		ug/kg dry	3.01	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	8.23	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	8.23	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.52	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
57-74-9	**Chlordane, total**	**51.3**		ug/kg dry	16.0	16.0	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.18	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.36	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.94	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.45	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.05	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
72-20-8	Endrin	ND		ug/kg dry	2.42	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.69	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.77	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.18	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.3	20.0	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.23	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
8001-35-2	Toxaphene	ND		ug/kg dry		400	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-2 0-2'** **York Sample ID:** **11A0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**2650**		mg/kg dry	1.53	2.42	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-36-0	**Antimony**	**1.52**		mg/kg dry	0.170	0.363	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-38-2	**Arsenic**	**9.69**		mg/kg dry	0.230	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-39-3	**Barium**	**130**		mg/kg dry	0.291	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.010	0.121	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.157	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-70-2	**Calcium**	**22600**		mg/kg dry	0.053	2.42	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-47-3	**Chromium**	**7.15**		mg/kg dry	0.097	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-48-4	**Cobalt**	**2.92**		mg/kg dry	0.097	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-50-8	**Copper**	**41.6**		mg/kg dry	0.170	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7439-89-6	**Iron**	**13600**		mg/kg dry	0.666	1.21	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7439-92-1	**Lead**	**342**		mg/kg dry	0.121	0.363	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7439-95-4	**Magnesium**	**1250**		mg/kg dry	0.993	2.42	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7439-96-5	**Manganese**	**108**		mg/kg dry	0.097	1.21	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-02-0	**Nickel**	**4.52**		mg/kg dry	0.085	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-09-7	**Potassium**	**540**		mg/kg dry	3.29	12.1	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7782-49-2	**Selenium**	**4.19**		mg/kg dry	0.255	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-22-4	Silver	ND		mg/kg dry	0.109	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-23-5	**Sodium**	**335**		mg/kg dry	8.14	12.1	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-28-0	Thallium	ND		mg/kg dry	0.230	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-62-2	**Vanadium**	**7.54**		mg/kg dry	0.097	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-66-6	**Zinc**	**203**		mg/kg dry	0.085	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.460**		mg/kg dry	0.117	0.121	1	EPA SW846-7471	01/24/2011 15:10	01/24/2011 15:10	AA

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 0-2' **York Sample ID:** 11A0547-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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**	**82.6**		%	0.100	0.100	1	SM 2540G	01/24/2011 16:29	01/24/2011 16:29	MZ

Sample Information

Client Sample ID: B-2 10-12' **York Sample ID:** 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 19:21	01/24/2011 19:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	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	01/24/2011 19:21	01/24/2011 19:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.94	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.56	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 10-12'

York Sample ID: 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 19:21	01/24/2011 19:21	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
67-66-3	Chloroform	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-09-2	**Methylene chloride**	**20**	J, B	ug/kg dry	2.7	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.81	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.64	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
108-88-3	Toluene	ND		ug/kg dry	0.59	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 10-12' **York Sample ID:** 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 19:21	01/24/2011 19:21	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	35	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS

Semi-Volatiles, 8270 Base/Neutrals

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	107	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	85.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	93.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	67.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	85.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	93.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	60.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	68.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	49.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	71.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	81.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	77.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	56.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	65.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
83-32-9	Acenaphthene	ND		ug/kg dry	114	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	55.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
62-53-3	Aniline	ND		ug/kg dry	70.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
120-12-7	**Anthracene**	**58.9**	J	ug/kg dry	48.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
56-55-3	**Benzo(a)anthracene**	**162**	J	ug/kg dry	76.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
50-32-8	**Benzo(a)pyrene**	**141**	J	ug/kg dry	51.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
205-99-2	**Benzo(b)fluoranthene**	**124**	J	ug/kg dry	74.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	59.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
207-08-9	**Benzo(k)fluoranthene**	**151**	J	ug/kg dry	76.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	81.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	72.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	66.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	72.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
117-81-7	**Bis(2-ethylhexyl)phthalate**	**78.9**	J	ug/kg dry	65.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-2 10-12'** **York Sample ID:** **11A0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals **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
218-01-9	**Chrysene**	**156**	J	ug/kg dry	79.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	63.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	103	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	56.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	58.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	88.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
206-44-0	**Fluoranthene**	**273**		ug/kg dry	114	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
86-73-7	Fluorene	ND		ug/kg dry	55.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	32.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	78.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	146	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	70.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	72.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
78-59-1	Isophorone	ND		ug/kg dry	72.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
91-20-3	Naphthalene	ND		ug/kg dry	58.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	88.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	71.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	51.3	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	114	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
85-01-8	**Phenanthrene**	**200**		ug/kg dry	72.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
129-00-0	**Pyrene**	**277**		ug/kg dry	70.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
110-86-1	Pyridine	ND		ug/kg dry	76.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 10-12'

York Sample ID: 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL 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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.73	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.23	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
309-00-2	Aldrin	ND		ug/kg dry	2.49	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.93	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	8.01	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	8.01	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.45	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.6	15.6	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.12	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.30	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.89	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.38	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.99	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
72-20-8	Endrin	ND		ug/kg dry	2.36	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.62	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.71	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.70	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.10	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.71	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.0	19.4	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.01	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
8001-35-2	Toxaphene	ND		ug/kg dry		389	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-2 10-12'** **York Sample ID:** **11A0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4150**		mg/kg dry	1.48	2.36	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-36-0	Antimony	ND		mg/kg dry	0.165	0.353	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-38-2	**Arsenic**	**4.19**		mg/kg dry	0.224	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-39-3	**Barium**	**22.1**		mg/kg dry	0.283	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.118	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.153	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-70-2	**Calcium**	**538**		mg/kg dry	0.051	2.36	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-47-3	**Chromium**	**6.78**		mg/kg dry	0.094	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-48-4	**Cobalt**	**4.96**		mg/kg dry	0.094	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-50-8	**Copper**	**6.13**		mg/kg dry	0.165	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7439-89-6	**Iron**	**11200**		mg/kg dry	0.648	1.18	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7439-92-1	**Lead**	**4.94**		mg/kg dry	0.118	0.353	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7439-95-4	**Magnesium**	**1100**		mg/kg dry	0.966	2.36	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7439-96-5	**Manganese**	**114**		mg/kg dry	0.094	1.18	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-02-0	**Nickel**	**6.82**		mg/kg dry	0.082	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-09-7	**Potassium**	**489**		mg/kg dry	3.20	11.8	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7782-49-2	**Selenium**	**2.86**		mg/kg dry	0.249	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-22-4	Silver	ND		mg/kg dry	0.106	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-23-5	**Sodium**	**206**		mg/kg dry	7.92	11.8	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-28-0	Thallium	ND		mg/kg dry	0.224	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-62-2	**Vanadium**	**12.0**		mg/kg dry	0.094	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-66-6	**Zinc**	**24.4**		mg/kg dry	0.082	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.114	0.118	1	EPA SW846-7471	01/24/2011 15:10	01/24/2011 15:10	AA

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Sample Information

Client Sample ID: **B-2 10-12'** **York Sample ID:** **11A0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

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**	**84.9**		%	0.100	0.100	1	SM 2540G	01/24/2011 16:29	01/24/2011 16:29	MZ

Sample Information

Client Sample ID: **B-1 GW** **York Sample ID:** **11A0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 GW** **York Sample ID:** **11A0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-09-2	**Methylene chloride**	**2.5**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
91-20-3	Naphthalene	ND		ug/L	0.50	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW

York Sample ID: 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.46	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.82	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.05	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.90	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
91-58-7	2-Chloronaphthalene	ND		ug/L	3.88	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
91-57-6	2-Methylnaphthalene	ND		ug/L	3.42	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
88-74-4	2-Nitroaniline	ND		ug/L	3.34	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	3.90	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
99-09-2	3-Nitroaniline	ND		ug/L	1.77	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.83	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
106-47-8	4-Chloroaniline	ND		ug/L	4.16	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.47	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
100-02-7	4-Nitroaniline	ND		ug/L	4.19	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
83-32-9	Acenaphthene	ND		ug/L	3.60	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
208-96-8	Acenaphthylene	ND		ug/L	4.75	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
62-53-3	Aniline	ND		ug/L	2.18	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
120-12-7	Anthracene	ND		ug/L	4.07	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	4.52	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	5.39	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.84	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	5.39	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	4.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW

York Sample ID: 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	2.86	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
218-01-9	Chrysene	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.44	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
132-64-9	Dibenzofuran	ND		ug/L	3.22	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
84-66-2	Diethyl phthalate	ND		ug/L	2.44	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
131-11-3	Dimethyl phthalate	ND		ug/L	5.39	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
84-74-2	Di-n-butyl phthalate	ND		ug/L	4.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
117-84-0	Di-n-octyl phthalate	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
206-44-0	Fluoranthene	ND		ug/L	1.77	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
86-73-7	Fluorene	ND		ug/L	3.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
118-74-1	Hexachlorobenzene	ND		ug/L	3.28	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
87-68-3	Hexachlorobutadiene	ND		ug/L	3.68	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.83	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
67-72-1	Hexachloroethane	ND		ug/L	4.03	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	3.05	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
78-59-1	Isophorone	ND		ug/L	3.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
91-20-3	Naphthalene	ND		ug/L	4.29	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
98-95-3	Nitrobenzene	ND		ug/L	2.18	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	3.45	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	4.02	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
85-01-8	Phenanthrene	ND		ug/L	4.01	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
129-00-0	Pyrene	ND		ug/L	2.63	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
110-86-1	Pyridine	ND		ug/L	3.54	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW

York Sample ID: 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00109	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00114	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
50-29-3	4,4'-DDT	ND		ug/L	0.000960	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
309-00-2	Aldrin	ND		ug/L	0.000994	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
319-84-6	alpha-BHC	ND		ug/L	0.00110	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
12674-11-2	Aroclor 1016	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0482	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0482	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
319-85-7	beta-BHC	ND		ug/L	0.000903	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
57-74-9	Chlordane, total	ND		ug/L	0.00457	0.00457	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
319-86-8	delta-BHC	ND		ug/L	0.00110	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
60-57-1	Dieldrin	ND		ug/L	0.000811	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
959-98-8	Endosulfan I	ND		ug/L	0.000903	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
33213-65-9	Endosulfan II	ND		ug/L	0.000960	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00109	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
72-20-8	Endrin	ND		ug/L	0.00107	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.000777	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
53494-70-5	Endrin ketone	ND		ug/L	0.00104	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00110	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
76-44-8	Heptachlor	ND		ug/L	0.00109	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.000857	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
72-43-5	Methoxychlor	ND		ug/L	0.00224	0.00571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
1336-36-3	Total PCBs	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
8001-35-2	Toxaphene	ND		ug/L	0.114	0.114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW **York Sample ID:** 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.007	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-39-3	**Barium**	**0.061**		mg/L	0.004	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-70-2	**Calcium**	**124**		mg/L	0.009	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-48-4	Cobalt	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7439-89-6	**Iron**	**0.036**		mg/L	0.006	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7439-92-1	Lead	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7439-95-4	**Magnesium**	**9.79**		mg/L	0.008	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7439-96-5	**Manganese**	**0.152**		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-02-0	Nickel	ND		mg/L	0.0008	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-09-7	**Potassium**	**26.4**		mg/L	0.026	0.050	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7782-49-2	**Selenium**	**0.024**		mg/L	0.002	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-23-5	**Sodium**	**16.6**		mg/L	0.066	0.100	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**39.0**		mg/L	0.007	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-38-2	**Arsenic**	**0.042**		mg/L	0.001	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-39-3	**Barium**	**1.02**		mg/L	0.004	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-41-7	**Beryllium**	**0.004**		mg/L	0.0009	0.001	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-70-2	**Calcium**	**150**		mg/L	0.009	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-47-3	**Chromium**	**0.091**		mg/L	0.0009	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-48-4	**Cobalt**	**0.076**		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-50-8	**Copper**	**0.169**		mg/L	0.002	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 GW** **York Sample ID:** **11A0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**77.4**		mg/L	0.006	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7439-92-1	**Lead**	**0.446**		mg/L	0.001	0.003	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7439-95-4	**Magnesium**	**19.6**		mg/L	0.008	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7439-96-5	**Manganese**	**3.51**		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-02-0	**Nickel**	**0.077**		mg/L	0.0008	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-09-7	**Potassium**	**32.5**		mg/L	0.026	0.050	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7782-49-2	**Selenium**	**0.035**		mg/L	0.002	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-23-5	**Sodium**	**16.6**		mg/L	0.066	0.100	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-62-2	**Vanadium**	**0.155**		mg/L	0.001	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-66-6	**Zinc**	**0.346**		mg/L	0.0009	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	01/24/2011 15:15	01/24/2011 15:15	AA

Mercury, Dissolved

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	01/24/2011 15:13	01/24/2011 15:13	AA

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank.

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:

APPENDIX D

SOIL BORING LOGS

EEA, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING REPORT LOG

DATE: 01/21/11	SHEET 1 OF 2
CLIENT: Passiv House Xperimental LLC	LOCATION ID#
PROJECT LOCATION: 107 Union Street, Brooklyn, NY	**B-1**
REMARKS: Sample taken on southern portion of property near sidewalk.	PROJECT #10742

DRILLING CONTRACTOR: TSDT, INC.			LOGGED BY SM		DRILLER PR/WB	
EQUIPMENT	SOIL SAMPLER	HAMMER WEIGHT/FALL	Casing Type	Monitor Well Specification		DRILL RIG
						DRILL METHOD
TYPE	MACROCORE					GEOPROBE LT 54 MACROCORE
SIZE	2 inch O.D.					
SURFACE ELEVATION: NA		Surface Materials: grass, dirt				

WATER LEVEL (IN OPEN BOREHOLE): 7 feet

DEPTH (fbg)	SAMPLE	DEPTH	OVA (ppm)	MOISTURE	STRATA	SOIL – ROCK DESCRIPTION – CLASSIFICATION
0	S-1*	0' – 4'	0.0	Dry		0' – 4' Fill materials – fine silty tan sand with some asphalt and brick, No staining or odors
5	S-2	4' - 8'	0.0	Moist		4' - 6' Fill materials – fine silty tan sand with some asphalt and brick, No staining or odors 6' - 8' – fine sandy tan silt with trace fine gravel, No staining or odors, gw @ ~7 bgs
10	S-3*	8' – 12'	0.0	Wet		8'-12' – fine silty tan sand, No staining or odors End of Soil Boring @ 12 feet below grade. * soil samples collected for laboratory analysis. Note: groundwater (gw) sample also taken at this location
15						
20						
25						
30						

EEA, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING REPORT LOG

DATE: 01/21/11	SHEET 2 OF 2
CLIENT: Passiv House Xperimental LLC	LOCATION ID#
PROJECT LOCATION: 107 Union Street, Brooklyn, NY	**B-2**
REMARKS: Sample taken in middle of property lot.	PROJECT #10742

DRILLING CONTRACTOR: TSDT, INC.			LOGGED BY	SM	DRILLER	PR/WB
EQUIPMENT	SOIL SAMPLER	HAMMER WEIGHT/FALL	Casing Type	Monitor Well Specification		DRILL RIG
						DRILL METHOD
TYPE	MACROCORE					GEOPROBE LT 54 MACROCORE
SIZE	2 inch O.D.					
SURFACE ELEVATION: NA		Surface Materials: grass, dirt				

WATER LEVEL (IN OPEN BOREHOLE): NA

DEPTH (fbg)	SAMPLE	DEPTH	OVA (ppm)	MOISTURE	STRATA	SOIL – ROCK DESCRIPTION – CLASSIFICATION
0	S-1*	0' – 4'	0.0	Dry		0' – 4' Fill materials – fine silty tan sand with some asphalt and brick, No staining or odors
5	S-2	4' - 8'	0.0	Moist		4' - 6' Fill materials – fine silty tan sand with some asphalt and brick, No staining or odors 6' - 8' – fine sandy tan silt with trace fine gravel, No staining or odors, gw @ ~7 bgs
10	S-3*	8' – 12'	0.0	Wet		8'-12' – fine silty tan sand, No staining or odors End of Soil Boring @ 12 feet below grade. * soil samples collected for laboratory analysis
15						
20						
25						

APPENDIX E

NYCDEP APPROVAL LETTER

Environmental Protection

Caswell F. Holloway
Commissioner

Angela Licata
Deputy Commissioner
Bureau of Environmental
Planning and Analysis
alicata@dep.nyc.gov

59-17 Junction Boulevard
Flushing, NY 11373
T: (718) 595-4398
F: (718) 595-4479

January 6, 2010

Mr. Rory Levy
CEQR Examiner
New York City Board of Standards and Appeals
40 Rector Street, 9th Floor
New York, New York 10006

Re: 107 Union Street
Block 335, Lots 42
11BSA009K/11DEPTECH010K
Brooklyn, New York

Dear Mr. Levy:

The New York City Department of Environmental Protection, Bureau of Environmental Planning and Analysis (DEP) has reviewed the December 2010 Phase II Environmental Site Investigation Work Plan (Workplan) and Health and Safety Plan (HASP), prepared by EEA Inc. on behalf of Herman Galvis of Passiv House Xperimental LLC (applicant) for the above-referenced project. The applicant is seeking a Bulk and Use variance from the New York City Board of Standards and Appeals (BSA) to develop a two-story residential building within an M1-1 district on Block 335, Lot 42, located between Columbia Street and Van Brunt Street in the Flatlands section of Brooklyn Community District 6. As currently proposed, the action would permit construction of a 4,600 square foot two-family, four-story residential building with a ground floor studio apartment. The site is currently a vacant 2,300 square foot property.

The December 2010Phase II Workplan proposes the installation of two soil borings to a depth of approximately 12 feet below ground surface).Two soil samples will be collected from each boring location and one groundwater samples (via temporary monitoring wells) will also be collected. Soil and groundwater samples will be collected and analyzed for Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency Method 8260, Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270B/N only, Pesticides and Polychlorinated Biphenyls (PCBs) by EPA Method 8081/ 8082, Target Analyte List (TAL) metals (filtered and unfiltered for groundwater samples). In addition, the HASP identifies appropriate protection for the on-site workers during the Phase II Environmental Site Investigation.

DEP finds the Phase II Workplan and HASP for the proposed project acceptable as long as the following information is incorporated into the Workplan.

- BSA should instruct the applicant that soil and groundwater samples should be collected and analyzed by a New York State Department of HealthEnvironmental Laboratory Approval Program certified laboratory for the presence of VOCs by Method EPA 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082 and TALmetals (Filtered and unfiltered for groundwater samples).

- BSA should also inform the applicant that upon completion of the investigation activities, a detailed Phase II report must be submitted to DEP for review and approval. The report should include, at a minimum, an executive summary, narrative of the field activities, laboratory data and conclusions, comparison of soil and groundwater analytical result with the current New York State Department of Environmental Conservation 6 NYCRR Part 375 Soil Cleanup Objectives and DEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values, updated site plans depicting sample locations, boring logs, and remedial recommendations, if warranted.

Future correspondence and submittal related to this project should include the following tracking number **11DEPTECH010K.** If you have any questions or comments, you may contact Ms. Mahalia Myrie at (718) 595-3212.

Sincerely,

Marine Winter for

Gary C. Heath

Director, Bureau Operations and Environmental Analysis

cc: G. Heath
M. Winter
M. Myrie
C. Chung
S. Vafadari
W. Yu
File

- BSA should instruct the applicant that soil and groundwater samples should be collected and analyzed by a New York State Department of HealthEnvironmental Laboratory Approval Program certified laboratory for the presence of VOCs by Method EPA 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082 and TALmetals (Filtered and unfiltered for groundwater samples).

- BSA should also inform the applicant that upon completion of the investigation activities, a detailed Phase II report must be submitted to DEP for review and approval. The report should include, at a minimum, an executive summary, narrative of the field activities, laboratory data and conclusions, comparison of soil and groundwater analytical result with the current New York State Department of Environmental Conservation 6 NYCRR Part 375 Soil Cleanup Objectives and DEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values, updated site plans depicting sample locations, boring logs, and remedial recommendations, if warranted.

Future correspondence and submittal related to this project should include the following tracking number **11DEPTECH010K.** If you have any questions or comments, you may contact Ms. Mahalia Myrie at (718) 595-3212.

Sincerely,

Marine Winter for

Gary C. Heath

Director, Bureau Operations and Environmental Analysis

cc: G. Heath
M. Winter
M. Myrie
C. Chung
S. Vafadari
W. Yu
File

PHASE II ENVIRONMENTAL SUBSURFACE INVESTIGATION

107 UNION STREET
BROOKLYN, NEW YORK

Project No. 10742
Regulatory Tracking Nos. 11BSA009K/11DEPTECH010K

Prepared for:

PASSIV HOUSE XPERIMENTAL LLC
131 UNION STREET
BROOKLYN, NEW YORK 11231

FEBRUARY 2011

Prepared by:

EEA *Inc.*

55 Hilton Avenue, Garden City, New York 11510
Environmental Consultants To Industry And Government Since 1979
www.eeaconsultants.com

PHASE II ENVIRONMENTAL SUBSURFACE INVESTIGATION
PROPERTY LOCATED AT
107 UNION STREET
BROOKLYN, NEW YORK
BLOCK 335, LOT 42
11DEPTECH010K, 11BSA009K

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PHASE II ENVIRONMENTAL SUBSURFACE INVESTIGATION
PROPERTY LOCATED AT
107 UNION STREET
BROOKLYN, NEW YORK
BLOCK 335, LOT 42
11DEPTECH010K, 11BSA009K

Executive Summary

EEA, Inc. performed a Phase II Environmental Subsurface Investigation at the property located at 107 Union Street in Brooklyn, New York.

The subject property encompasses approximately 2,300 square feet and is occupied by a dirt, gravel and weed covered vacant lot. The proposed project development would facilitate construction of a 4,600 square foot, two-family, four-story residential building with a ground floor studio apartment. The construction of this structure would also include the installation of sub-grade cellar beneath the proposed building, which means, soils would be excavated to a depth of approximately 10'10" below the current grade. The location of the subject property is shown on **Figure 1**.

All subsurface investigation work was performed in accordance with the New York City Department of Environmental Protection (NYCDEP) approved EEA's Investigation Work Plan (IWP) and Health and Safety Plan (HASP); furthermore, approval was granted and stated in NYCDEP's letter dated January 6, 2010 (see **Appendix E**).

Soil Quality Conditions

A total of two (2) soil borings, with sampling designations B-1, B-2, were advanced at the subject property. Two (2) soil samples from each soil borings were collected and submitted for laboratory analysis. Furthermore, a total of four (4) soil samples were collected as part of this investigation. The soil sample collection locations are presented in **Figure 1**. The laboratory soil analytical results are summarized and presented on **Tables 1, 2, 3, and 4**.

Soil on the grounds of the subject property consisted of urban fill material (i.e., fine silty tan sand with some asphalt and brick) to a depth of approximately six (6) feet below grade. Soil below the six (6) foot depth predominantly consisted of a tan silty fine sand. Field inspection, via visual, olfactory and PID screening methods, did not identify the presence of significant contamination in soils on the subject property. The laboratory analytical results did not detect any VOCs and PCBs in any of the soil samples at concentrations exceeding the New York State Department of Conservation (NYSDEC) Unrestricted Use Brownfield Cleanup Objectives (USCOs).

Heavy metals, such as copper, lead, selenium, zinc, and mercury were detected in 0 to 2 foot soil samples (B-1 and B-2) at concentrations exceeding their respective NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. No metals were detected in deeper soil

samples at concentrations exceeding NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. The metals detected in the 0-2 foot samples are typical of "Urban Fill Soil" quality conditions.

Semi-Volatile Organic Compounds (SVOCs), such as Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Chrysene, were detected in 0 to 2 foot soil samples at concentrations exceeding their respective NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. No SVOCs were detected in deeper soil samples at concentrations exceeding NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. The SVOCs detected in the 0-2 foot samples are typical of "Urban Fill Soil" quality conditions.

Pesticides, such as 4,4'-DDT and 4,4'-DDE, were detected in 0 to 2 foot soil samples at concentrations exceeding their respective NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. No pesticides were detected in deeper soil samples at concentrations exceeding NYSDEC Unrestricted Use Brownfield soil cleanup. The presence of the pesticides detected in the 0-2 foot samples is likely due to the presence of "Urban Fill Soil" on the grounds of the subject property.

Property Ground Water

There were no field observations of potential groundwater contamination in the groundwater collected from B-1W. Groundwater was encountered at approximately 7 feet below surface grade in both soil borings. Laboratory analysis of the groundwater sample did not detect any VOCs, SVOCs, Pesticides, and PCBs at concentration exceeding the NYSDEC Technical and Operational Guidance Series (TOGS) groundwater quality standards. The laboratory analytical results of the above mentioned parameters are summarized and presented in **Tables 5, 6, and 7.**

Several TAL metals (i.e., arsenic, barium, beryllium, chromium, lead, manganese, nickel, selenium, and iron) were detected in unfiltered groundwater samples at concentrations exceeding their respective NYSDEC TOGS 1.1.1 GQS. However, no metals were detected at levels exceeding TOGS guidelines in the filtered groundwater sample. These metal exceedences in the unfiltered sample are likely the result of dissolved soil particles present in groundwater. Furthermore, the groundwater on site is not considered an aquifer and is not used for drinking or any other water supply uses. The laboratory analytical results of metal concentrations in groundwater are summarized and presented in **Table 8.**

Conclusions and Recommendations

Based on field observations, the chemical concentrations of SVOCs, metals and pesticides in the soils, and metals in groundwater, beneath the subject property indicate the presence of "Urban Fill Soil" to a depth of approximately six feet below grade. "Urban Fill Soils" are common and typical of industrial/commercial properties found throughout the metropolitan area. The soil below six (6) feet was observed to be native, glacial fluvial deposits of outwash silty sand with trace fine gravel.

The levels of SVOCs, metals and pesticides are background for this area of New York City; therefore, no recommendations for additional investigation are being made for this property at this time. The concentrations of chemical parameters identified in the soil are typical of industrial/commercial "Urban Fill' properties in the New York metropolitan area. If these soils [0 to 6 feet below surface grade] are excavated and removed from the property as part of the redevelopment then these soils will have to be handled and disposed in accordance with NYSDEC solid waste (Part 360) guidelines. The NYCDEP may require a Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) to be developed and approved by NYCDEP prior to any site excavation activities.

The NYSDEC has developed the "guidelines" in order for DEC case managers to determine potential cleanup recommendations at various sites throughout the state. The NYSDEC considers each site on a case-by-case basis in consideration of the history and district of property usage and its location to sensitive human, wildlife and environmental interests. Industrial and commercial properties are treated differently than residential or environmentally sensitive areas.

EEA recommends submitting this report to NYCDEP for their review and comment.

I. INTRODUCTION

EEA, Inc. performed a Phase II Environmental Subsurface Investigation at the property located at 107 Union Street in Brooklyn, New York.

The subject property encompasses approximately 2,300 square feet and is occupied by a dirt, gravel and weed covered vacant lot. The proposed project development would facilitate construction of a 4,600 square foot, two-family, four-story residential building with a ground floor studio apartment. The construction of this structure would also include the installation of sub-grade cellar beneath the proposed building, which means, soils would be excavated to a depth of approximately 10'10" below the current grade. The location of the subject property is shown on **Figure 1**.

All subsurface investigation work was performed in accordance with the New York City Department of Environmental Protection (NYCDEP) approved EEA's Investigation Work Plan (IWP) and Health and Safety Plan (HASP); furthermore, approval was granted and stated in NYCDEP's letter dated January 6, 2010 (see **Appendix E**).

EEA initiated and completed field activities on January 21, 2011. This report summarizes the work performed, the results of the investigation, and associated recommendations.

II. SCOPE OF WORK PERFORMED

Two (2) soil borings (B-1, B-2) were advanced on-site using a Geoprobe LT 54 drill rig. A total of four (4) soil samples were collected as part of this investigation. Two (2) soil samples from each soil borings were collected and submitted for laboratory analysis. Samples were field screened for volatile organic vapors using a photo ionization detector (PID). The soil sample collection locations are presented in **Figure 1**.

EEA collected one (1) 0 to 2 foot and one (1) 10 to 12 foot soil sample from borings B-1 and B-2. It should be noted that borings were advanced below the level of the proposed foundation for the planned building, which is approximately 10'10" below surface grade. The samples were directed toward those areas likely to have accumulated the highest contaminant levels as observed during sampling. Soil samples at all depths were screened using a photo ionization detector (PID).

At each soil boring location, two (2) soil samples were collected and analyzed for VOCs using EPA Method 8260, SVOCs using EPA Method 8270BN, Pesticides and PCBs using EPA Method 8081/8082 and TAL Metals.

A groundwater sample, B-1W, was obtained from boring location B-1, using a temporary PVC screen monitoring well with the Geoprobe drill rig. Furthermore, to obtain this sample, an inertial pump consisting of a stainless steel check valve and ball, was utilized. The inertial pump was fitted with dedicated polyethylene tubing, which allowed the groundwater to be brought up

to the ground surface for collection. Each groundwater sample was placed into two (2) pre-cleaned forty milliliter vials, two (2) one-liter amber and two (2) plastic jars for metal analysis. These samples were submitted to the State certified laboratory for analysis. The groundwater samples were collected and analyzed for VOCs using EPA Method 8260, SVOCs using EPA Method 8270BN, Pesticides and PCBs using EPA Method 8081/8082 and TAL Metals. The groundwater sample collection locations are presented in **Figure 1**.

a. Health and Safety Plan

EEA used NYCDEP approved site-specific Health and Safety Plan for performing this Phase II Environmental Subsurface Investigations. The HASP assigns responsibilities, establishes personal protection standards, recommends operating procedures, and provides for contingencies that may arise during performance of the assessment at the site. The protocols in the HASP apply to all personnel involved in the work activities including EEA, all outside subcontractors, client, or regulatory agencies present during the performance of the work. In addition, the following safety equipment is maintained on-site for responding to potential emergency situations: portable eyewash, ABC fire extinguisher, and first aid kit. Telephone numbers of emergency response units in the area are also posted where all those working at the site can easily see them. All personnel working at the site will also be required to receive training in respirator fitting, emergency procedures, equipment decontamination and specific task procedures. All personnel involved with the collection of soil or water will have successfully completed the 40-hour OSHA Hazardous Materials Training Program.

b. Subsurface Utility Location, Permits and Bonding

EEA notified the DigNet of New York City and Long Island under the New York State Regulation Code 753 prior to initiating the work to identify the location of underground utilities in the vicinity of the proposed boring locations. Any permits for soil boring were obtained from the local agencies. In addition, any license and permit bonding required was secured for the work.

III. RESULTS OF LABORATORY ANALYSES

York Analytical Laboratories, Inc. (NYSDOH Certification No. 10854) prepared the results of the soil samples. **Tables 1 through 4** present a summary of the soil sampling results and a comparison to New York State Department of Environmental Conservation 6 NYCRR Part 375-6.8(a) Brownfield unrestricted use soil cleanup objectives (USCOs). **Tables 5 through 8** present a summary of the groundwater sampling results and a comparison to NYSDEC TOGS 1.1.1 Groundwater Quality Standards (GQS). The chain-of-custody records, as well as the analytical laboratory data sheets, are presented in the Appendix to this report.

IV. FINDINGS

Property Soil Quality

Field inspection, via visual, olfactory and PID screening methods, did not identify the presence of significant contamination in soils on the subject property. The laboratory analytical results did not detect any VOCs, and PCBs in any of the soil samples at concentrations exceeding the New York State Department of Conservation (NYSDEC) Unrestricted Use Brownfield Cleanup Objectives (USCOs).

Heavy metals, such as copper, lead, selenium, zinc, and mercury were detected in 0 to 2 foot soil samples (B-1, B-2) at concentrations exceeding their respective NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. No metals were detected in deeper soil samples at concentrations exceeding NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. These metals are typical of "Urban Fill Soil" quality conditions.

Semi-Volatile Organic Compounds (SVOCs), such as Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Chrysene, were detected in 0 to 2 foot soil samples (B-1, B-2) at concentrations exceeding their respective NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. No SVOCs were detected in deeper soil samples at concentrations exceeding NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. These SVOCs are typical of "Urban Fill Soil" quality conditions.

Pesticides, such as 4,4'-DDT and 4,4'-DDE, were detected in 0 to 2 foot soil samples (B-1, B-2) at concentrations exceeding their respective NYSDEC Unrestricted Use Brownfield soil cleanup guidelines. No pesticides were detected in deeper soil samples at concentrations exceeding NYSDEC Unrestricted Use Brownfield soil cleanup. The presence of these pesticides is likely due to the presence of "Urban Fill Soil" on the grounds of the subject property.

Property Groundwater Quality

Groundwater was encountered at approximately 7 feet below surface grade in both soil borings. There were no field observations of potential groundwater contamination in the groundwater collected from B-1W. Laboratory analysis of groundwater samples did not detect any VOCs, SVOCs, Pesticides, and PCBs at concentration exceeding the NYSDEC Technical and Operational Guidance Series (TOGS) groundwater quality standards. The laboratory analytical results of the above mentioned parameters are summarized and presented in **Tables 5, 6, and 7.**

Several TAL metals (i.e., arsenic, barium, beryllium, chromium, lead, manganese, nickel, selenium, and iron) were detected in the unfiltered groundwater sample at concentrations exceeding their respective NYSDEC TOGS 1.1.1 GQS. However, no metals were detected at levels exceeding TOGS guidelines in the filtered groundwater sample. These metal exceedences in the unfiltered sample are likely the result of dissolved soil particles present in groundwater. Furthermore, the groundwater on site is not considered an aquifer and is not used for drinking or

any other water supply uses. The laboratory analytical results of metal concentrations in groundwater are summarized and presented in **Table 8.**

Conclusions

Based on field observations, the chemical concentrations of SVOCs, metals and pesticides in the soils, and metals in groundwater, beneath the subject property indicate the presence of "Urban Fill Soil" to a depth of approximately six feet below grade. "Urban Fill Soils" are common and typical of industrial/commercial properties found throughout the metropolitan area. The soil below six (6) feet was observed to be native, glacial fluvial deposits of outwash silty sand with trace fine gravel.

The levels of SVOCs, metals and pesticides are background for this area of New York City.

The NYSDEC has developed the "guidelines" in order for DEC case managers to determine potential cleanup recommendations at various sites throughout the state. The NYSDEC considers each site on a case-by-case basis in consideration of the history and district of property usage and its location to sensitive human, wildlife and environmental interests. Industrial and commercial properties are treated differently than residential or environmentally sensitive areas.

V. RECOMMENDATIONS

No recommendations for additional investigation are being made for this property at this time. The concentrations of chemical parameters identified in the soil are typical of industrial/commercial "Urban Fill" properties in the New York metropolitan area. If these soils [0 to 6 feet below surface grade] are excavated and removed from the property as part of the redevelopment then these soils will have to be handled and disposed in accordance with NYSDEC solid waste (Part 360) guidelines. The NYCDEP may require a Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) to be developed and approved by NYCDEP prior to any site excavation activities.

EEA recommends submitting this report to NYCDEP for their review and comments.

VI. SAMPLING METHODOLOGY

a. Soil and Groundwater Sampling

Soil and groundwater samples were obtained by a Geoprobe drill rig. The soil and groundwater samples were collected and placed in laboratory pre-cleaned sample jars. The sample jars were then placed in a cooler and chilled to a temperature of 4 degrees C.

b. Quality Assurance and Quality Control QA/QC Plan

EEA implements a QA/QC Plan to ensure sample integrity and avoid contamination and/or cross-contamination of samples. All sampling equipment is cleaned before each sample is collected. The following procedures are followed in the decontamination process:

Step 1: Steam clean equipment.
Step 2: Scrub with a bristle brush using a non-phosphate detergent (such as Alconox).
Step 3: Rinse with hot tap water.
Step 4: Rinse twice with deionized water.
Step 5: Air dry.
Step 6 Nitric Acid (5%) solution rinse (if sampling for metals)
Step 7: Rinse twice with deionized water.
Step 8: Air dry.

VII. QUALIFICATIONS

EEA, Inc. is an environmental consulting firm that has undertaken environmental pollution investigations, development feasibility studies, and environmental site assessment studies since 1979. These site evaluation studies have been prepared for major lenders, public corporations, businesses, developers and governmental agencies. Approximately 4,000 parcels have been evaluated in the metropolitan New York-New Jersey area during the past twenty years, ranging from Phase I Environmental Site Assessments to comprehensive subsurface hazardous material investigations and testing programs. EEA also prepares bid specifications for remedial cleanup actions and supervises site cleanup.

EEA's principals and senior managers for the hazardous waste investigations each have over 20 years experience in environmental consulting, with established credentials in the field.

Individual qualifications of EEA personnel, including specific credentials of persons involved in the preparation of this report can be provided upon request.

VIII. DISCLAIMER

This report is for use by Passiv House Xperimental LLC and is only to be used as a guide in determining the potential for contamination by toxic or hazardous materials on the subject property at the time of the site visit. This Phase II Environmental Subsurface Investigation was undertaken in accordance with generally accepted protocols, including ASTM Standards Related to the Phase II Environmental Site Assessment Process. This Phase II Investigation is based principally on the review of historic and regulatory records (made available within a reasonable time period), relating to past occupants and usage of the subject property, as well as activities at nearby sites, and upon a visual assessment of the subject property, and makes no determinations with respect to portions of the subject property and its structures which were not inspected. Our professional services have been performed using that degree of care and skill ordinarily exercised under similar circumstances by reputable qualified professionals practicing in this or

similar situations. The interpretation of the field data is based on good judgment and experience. However, no matter how qualified the professional or detailed the investigation, subsurface conditions cannot always be predicted beyond the points of actual sampling and testing. No other warranty, expressed or implied, is made to the professional advice included in this report.

Any and all liability on the part of EEA, Inc. shall be limited solely to EEA's professional liability insurance (errors and omissions coverage of one million dollars). EEA, Inc. shall have no liability for any other damages, whether consequential, compensatory, punitive, or special, arising out of, incidental to, or as a result of, this assessment. EEA, Inc. assumes no liability for the use of this report by any person or entity other than the institution and/or entities or persons for whom it has been prepared.

IX. REFERENCES

1. *NYSDEC Bureau of Spill Prevention & Response Sampling Guidelines and Protocols, March 1991.*

2. *DER-10 Technical Guidance for Site Investigation and Remediation, Date Issued May 3, 2010.*

3. *Principals of Groundwater Engineering, William C. Walton, Lewis Publishers, Inc., 1991.*

4. *NYSDEC Brownfield Cleanup Program, Soil Cleanup Objectives, 6 NYCRR Part 375-6.8, 12/14/2006.*

5. *NYCDEP approved EEA's Investigation Work Plan and Health and Safety Plan dated December 2010.*

FIGURES

Legend

B-1 – soil sample location

B-1GW – groundwater sample location

- Property Boundary

EEA, Inc.

55 Hilton Avenue
Garden City, New York
(516) 746-4400

Property Located at:

107 Union Street
Brooklyn, New York

Figure 1: Site Plan

TABLES

Table 1

Soil Samples Volatile Organic Analytical Results

107 Union Street, Brooklyn, New York

Sample Identification	S-1	S-2	S-3	S-4	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
Boring Number	B-1 0'-2'	B-1 10'-12'	B-2 0'-2'	B-2 10'-12'	
Sample Date	1/21/2011	1/21/2011	1/21/2011	1/21/2011	
Sample Matrix	Soil	Soil	Soil	Soil	
Units	ug/kg	ug/kg	ug/kg	ug/kg	
Volatile Organic Compounds (µg/kg) - EPA Method 8260					
1,1,1,2-Tetrachloroethane	<12	<12	<12	<12	NS
1,1,1-Trichloroethane	<12	<12	<12	<12	680
1,1,2,2-Tetrachloroethane	<12	<12	<12	<12	NS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon	<12	<12	<12	<12	NS
1,1,2-Trichloroethane	<12	<12	<12	<12	NS
1,1-Dichloroethane	<12	<12	<12	<12	270
1,1-Dichloroethylene	<12	<12	<12	<12	330
1,1-Dichloropropylene	<12	<12	<12	<12	NS
1,2,3-Trichlorobenzene	<23	<23	<24	<24	NS
1,2,3-Trichloropropane	<12	<12	<12	<12	NS
1,2,4-Trichlorobenzene	<23	<23	<24	<24	NS
1,2,4-Trimethylbenzene	**6.9**	<12	<12	<12	NS
1,2-Dibromo-3-chloropropane	<23	<23	<24	<24	NS
1,2-Dibromoethane	<12	<12	<12	<12	NS
1,2-Dichlorobenzene	<12	<12	<12	<12	1,100
1,2-Dichloroethane	<12	<12	<12	<12	20
1,2-Dichloropropane	<12	<12	<12	<12	NS
1,3,5-Trimethylbenzene	**3.3**	<12	<12	<12	NS
1,3-Dichlorobenzene	<12	<12	<12	<12	2,400
1,3-Dichloropropane	<12	<12	<12	<12	NS
1,4-Dichlorobenzene	<12	<12	<12	<12	1,800
2,2-Dichloropropane	<12	<12	<12	<12	NS
2-Chlorotoluene	<12	<12	<12	<12	NS
4-Chlorotoluene	<12	<12	<12	<12	NS
Benzene	<12	<12	<12	<12	60
Bromobenzene	<12	<12	<12	<12	NS
Bromochloromethane	<12	<12	<12	<12	NS
Bromodichloromethane	<12	<12	<12	<12	NS
Bromoform	<12	<12	<12	<12	NS
Bromomethane	<12	<12	<12	<12	NS
Carbon tetrachloride	<12	<12	<12	<12	760
Chlorobenzene	<12	<12	<12	<12	1,100
Chloroethane	<12	<12	<12	<12	NS
Chloroform	<12	<12	<12	<12	370
Chloromethane	<12	<12	<12	<12	NS
cis-1,2-Dichloroethylene	<12	<12	<12	<12	250
cis-1,3-Dichloropropylene	<12	<12	<12	<12	NS
Dibromochloromethane	<12	<12	<12	<12	NS
Dibromomethane	<12	<12	<12	<12	NS
Dichlorodifluoromethane	<12	<12	<12	<12	NS
Ethyl Benzene	**4.9**	<12	<12	<12	1,000
Hexachlorobutadiene	<12	<12	<12	<12	NS
Isopropylbenzene	<12	<12	<12	<12	NS
Methyl tert-butyl ether (MTBE)	<12	<12	<12	<12	930
Methylene chloride	**31**	**19**	**21**	**20**	50
Naphthalene	**11**	<23	<24	<24	12,000
n-Butylbenzene	<12	<12	<12	<12	12,000
n-Propylbenzene	<12	<12	<12	<12	3,900
o-Xylene	**4.2**	<12	<12	<12	NS
p- & m- Xylenes	**14**	<23	<24	<24	260
p-Isopropyltoluene	<12	<12	<12	<12	NS
sec-Butylbenzene	<12	<12	<12	<12	11,000
Styrene	<12	<12	<12	<12	NS
tert-Butylbenzene	<12	<12	<12	<12	5,900
Tetrachloroethylene	<12	<12	<12	<12	1,300
Toluene	**2.9**	<12	**2.0**	<12	700
trans-1,2-Dichloroethylene	<12	<12	<12	<12	190
trans-1,3-Dichloropropylene	<12	<12	<12	<12	NS
Trichloroethylene	<12	<12	<12	<12	470
Trichlorofluoromethane	<12	<12	<12	<12	NS
Vinyl Chloride	<12	<12	<12	<12	20
Xylenes, Total	**18**	<35	<36	<35	260

NS : No Standard

ug/kg…micrograms per kilogram

Bold values indicate concentrations exceeding laboratory method detection limits.

Table 2
Soil Samples Semi-Volatile Organic Analytical Results
107 Union Street, Brooklyn, New York

Sample Identification	S-1	S-2	S-3	S-4	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
Boring Number	B-1 0'-2'	B-1 10'-12'	B-2 0'-2'	B-2 10'-12'	
Sample Date	1/21/2011	1/21/2011	1/21/2011	1/21/2011	
Sample Matrix	Soil	Soil	Soil	Soil	
Units	ug/kg	ug/kg	ug/kg	ug/kg	
Semi-Volatile Organic Compounds (µg/kg) - EPA Method 8270					
Acenaphthene	**859**	<196	**342**	<196	20,000
Acenaphthylene	**113**	<196	**215**	<196	100,000
Aniline	<192	<196	<202	<196	NG
Anthracene	**1210**	**73.2**	**777**	**58.9**	**100,000**
Benzo(a)anthracene	**2300**	**130**	**2650**	**162**	**1,000**
Benzo(a)pyrene	**1860**	**92.0**	**2340**	**141**	**1,000**
Benzo(b)fluoranthene	**2380**	**107**	**2480**	**124**	**1,000**
Benzo(g,h,i)perylene	**215**	<196	**268**	<196	100,000
Benzo(k)fluoranthene	**2070**	<196	**2210**	**151**	800
Benzyl butyl phthalate	<192	<196	<202	<196	NG
4-Bromophenyl phenyl ether	<192	<196	<202	<196	NG
4-Chloro-3-methylphenol	<192	<196	<202	<196	NG
4-Chloroaniline	<192	<196	<202	<196	NG
Bis(2-chloroethoxy)methane	<192	<196	<202	<196	NG
Bis(2-chloroethyl)ether	<192	<196	<202	<196	NG
Bis(2-chloroisopropyl)ether	<192	<196	<202	<196	NG
Bis(2-ethylhexyl)phthalate	<192	<196	<202	**78.9**	NG
2-Chloronaphthalene	<192	<196	<202	<196	NG
4-Chlorophenyl phenyl ether	<192	<196	<202	<196	NG
Chrysene	**2110**	**122**	**2510**	**156**	1,000
Dibenzo(a,h)anthracene	**121**	<196	<202	<196	330
Dibenzofuran	<192	<196	<202	<196	7,000
Di-n-butyl phthalate	<192	<196	<202	<196	NG
1,2-Dichlorobenzene	<192	<196	<202	<196	NG
1,4-Dichlorobenzene	<192	<196	<202	<196	NG
1,3-Dichlorobenzene	<192	<196	<202	<196	NG
3,3'-Dichlorobenzidine	<192	<196	<202	<196	NG
Diethyl phthalate	<192	<196	<202	<196	NG
Dimethyl phthalate	<192	<196	<202	<196	NG
2,6-Dinitrotoluene	<192	<196	<202	<196	NG
2,4-Dinitrotoluene	<192	<196	<202	<196	NG
Di-n-octyl phthalate	<192	<196	<202	<196	NG
Fluoranthene	**3300**	**287**	**2390**	**273**	100,000
Fluorene	**769**	<196	**370**	<196	30,000
Hexachlorobenzene	<192	<196	<202	<196	NG
Hexachlorobutadiene	<192	<196	<202	<196	NG
Hexachlorocyclopentadiene	<192	<196	<202	<196	NG
Hexachloroethane	<192	<196	<202	<196	NG
Indeno(1,2,3-cd)pyrene	**286**	<196	**339**	<196	500
Isophorone	<192	<196	<202	<196	NG
2-Methylnaphthalene	**148**	<196	**74.3**	<196	NG
Naphthalene	**281**	<196	**65.8**	<196	12,000
3-Nitroaniline	<192	<196	<202	<196	NG
4-Nitroaniline	<192	<196	<202	<196	NG
Nitrobenzene	<192	<196	<202	<196	NG
N-nitroso-di-n-propylamine	<192	<196	<202	<196	NG
N-Nitrosodimethylamine	<192	<196	<202	<196	NG
N-Nitrosodiphenylamine	<192	<196	<202	<196	NG
Phenanthrene	**3010**	**293**	**2540**	**200**	100,000
Pyrene	**3120**	**257**	**3600**	**277**	100,000
Pyridine	<192	<196	<202	<196	NG
1,2,4-Trichlorobenzene	<192	<196	<202	<196	NG

NS : No Standard

ug/kg…micrograms per kilogram

Shaded values represents concentration exceeding NYSDEC TAGM 4046 soil cleanup guidelines

Table 3

Soil Samples Pesticides and PCBs Analytical Results

107 Union Street, Brooklyn, New York

Sample Identification	S-1	S-2	S-3	S-4	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
Boring Number	B-1 0'-2'	B-1 10'-12'	B-2 0'-2'	B-2 10'-12'	
Sample Date	1/21/2011	1/21/2011	1/21/2011	1/21/2011	
Sample Matrix	Soil	Soil	Soil	Soil	
Pesticides - EPA Method 8081 (ug/kg)					
Toxaphene	<380	<388	<400	<389	NS
Methoxychlor	<19.0	<19.4	<20.0	<19.4	NS
Heptachlor epoxide	<3.80	<3.88	<4.00	<3.89	NS
Heptachlor	<3.80	<3.88	<4.00	<3.89	42
gamma-BHC (Lindane)	<3.80	<3.88	<4.00	<3.89	NS
Endrin ketone	<3.80	<3.88	<4.00	<3.89	NS
Endrin aldehyde	<3.80	<3.88	<4.00	<3.89	NS
Endrin	<3.80	<3.88	<4.00	<3.89	14
Endosulfan sulfate	<3.80	<3.88	<4.00	<3.89	2,400
Endosulfan II	<3.80	<3.88	<4.00	<3.89	2,400
Endosulfan I	<3.80	<3.88	<4.00	<3.89	2,400
Dieldrin	<3.80	<3.88	<4.00	<3.89	5
delta-BHC	<3.80	<3.88	<4.00	<3.89	40
Chlordane, total	<15.2	<15.5	**51.3**	<15.6	NS
beta-BHC	<3.80	<3.88	<4.00	<3.89	36
alpha-BHC	<3.80	<3.88	<4.00	<3.89	20
Aldrin	<3.80	<3.88	<4.00	<3.89	5
4,4'-DDT	**31.6**	<3.88	**25.6**	<3.89	3.3
4,4'-DDE	**6.61**	<3.88	**8.89**	<3.89	3.3
4,4'-DDD	<3.80	<3.88	<4.00	<3.89	3.3
PCBs - EPA Method 8082 (mg/kg)					
Aroclor 1260	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1254	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1248	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1242	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1232	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1221	<19.6	<20.0	<20.6	<20.0	100
Aroclor 1016	<19.6	<20.0	<20.6	**<20.0**	100

NS : No Standard

ug/kg…micrograms per kilogram *mg/kg…milligram per kilogram*

Bold values indicate concentrations exceeding laboratory method detection limits.

Table 4
Soil Samples Inorganic Analytical Results
107 Union Street, Brooklyn, New York

Sample Identification	S-1	S-2	S-3	S-4	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
Boring Number	B-1 0'-2'	B-1 10'-12'	B-2 0'-2'	B-2 10'-12'	
Sample Date	1/21/2011	1/21/2011	1/21/2011	1/21/2011	
Sample Matrix	Soil	Soil	Soil	Soil	
Units	mg/kg	mg/kg	mg/kg	mg/kg	
Metals (TAL) (mg/kg)					
Aluminum	**3800**	**4420**	**2650**	**4150**	NS
Antimony	**1.08**	<0.352	**1.52**	<0.353	NS
Arsenic	**8.84**	**3.21**	**9.69**	**4.19**	13
Barium	**191**	**39.9**	**130**	**22.1**	350
Beryllium	<0.115	<0.117	<0.121	<0.118	7.2
Cadmium	<0.575	<0.587	<0.605	<0.589	2.5
Calcium	**15200**	**689**	**22600**	**538**	NS
Chromium	**10.4**	**7.05**	**7.15**	**6.78**	30
Cobalt	**4.95**	**4.82**	**2.92**	**4.96**	NS
Copper	**55.8**	**9.32**	**41.6**	**6.13**	50
Iron	**11500**	**11600**	**13600**	**11200**	NS
Lead	**483**	**6.29**	**342**	**4.94**	63
Magnesium	**2090**	**1560**	**1250**	**1100**	NS
Manganese	**197**	**140**	**108**	**114**	1600
Nickel	**12.5**	**6.50**	**4.52**	**6.82**	30
Potassium	**800**	**562**	**540**	**489**	NS
Selenium	**4.12**	**2.93**	**4.19**	**2.86**	3.9
Silver	<0.575	<0.587	<0.605	<0.589	2
Sodium	**329**	**196**	**335**	**206**	NS
Thallium	<0.575	<0.587	<0.605	<0.589	NS
Vanadium	**13.8**	**9.54**	**7.54**	**12.0**	NS
Zinc	**207**	**25.2**	**203**	**24.4**	109
Mercury	**1.23**	<0.117	**0.460**	<0.118	0.18

NS : No Standard
m/kg…miligram per kilogram
Shaded values represents concentration exceeding NYSDEC TAGM 4046 soil cleanup guidelines.

APPENDICES

APPENDIX A

PHOTOGRAPHS

PHOTOGRAPHS
107 Union Street, Brooklyn, NY

Fig1. View of boring B-1 being installed at 107 Union Street, Brooklyn, NY.

Fig2. View of groundwater sample taken from boring B-1.

Fig 3. Close-up view of soil obtained from the 10’-12’ section of soil boring B-1.

Fig 4. View of soil boring B-2 being installed in middle of property lot.

Fig 5. Close-up view of soil obtained from the 0’-2’ section of soil boring B-2.

APPENDIX B

CHAIN OF CUSTODY

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

Field Chain-of-Custody Record

Page 1 of 1

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. 11A0547

Client Information	Report To:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: EEA, Inc.	Company: SAME	Company: SAME	10742	24 hr ____	Summary Results Only ____ QA/QC Summary ____
Address: 55 Hilton Ave Garden City, NY	Address:	Address:	Purchase Order No.	48 hr ____	RCP Package ____ ASP B Pkg ____
Phone No. 516-746-4400	Phone No.	Phone No.		72 hr ____	ASP A Pkg ____ Excel format X
Contact Person: Sean Martin Nick Recchia	Attention:	Attention: Nancy		5 Day ____	EDD ____ OTHER PDF + XCEL
E-Mail Address: smartin@eeaconsultants.com	E-Mail Address:	E-Mail Address: Same		Standard X	

[redacted]

Samples Collected/Authorized By (Signature): Sean Martin

Name (printed): Sean Martin

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			Special Instructions
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color	Field Filtered ☐
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols	Lab to Filter ☐
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	Indiv. Metals	Air STARS	Part 360-Expanded No Dioxin/Furans	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	NYCDEPSewer	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	

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below							Container Description(s)
B-1 0'-2'	01/21/11	S	8260 Full	~~8270~~ BN	8081/8082 TAL					2 jars
B-1 10'-12'	01/21/11	S	↓	BN only	8081/8082 TAL					↓
B-1 GW	01/21/11	GW	↓	↓	↓	TAL (filtered + unfiltered)				2 amber 2 VOAs 2 poly
B-2 0'-2'	01/21/11	S	↓	↓	↓	↓				2 jars
B-2 10'-12'	01/21/11	S	↓	↓	↓	↓				↓

Comments
"E" designated site - pricing applies
All soils analyzed for: 8260 Full, BN only, 8081/8082, and TAL metals (filtered/unfiltered for water sample).

Preservation Check those Applicable								
4°C ____ Frozen ____ HCl MeOH	4°C ____	4°C ____	HNO_3 ____ 4°C	4°C ____ H_2SO_4 ____	4°C ____ Other	4°C ____ ZnAc	H_2SO_4 ____ Ascorbic	NaOH ____ Other

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Sean Martin	01/21/11	[signature]	1/21/11 12:10
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		[signature]	1/21/11 16:20

Temperature on Receipt: 3.8 °C

APPENDIX C

LABORATORY REPORTS

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

EEA, Inc
55 Hilton Ave
Garden City NY, 11530
Attention: Sean Martin

Report Date: 01/31/2011
Client Project ID: 10742
York Project (SDG) No.: 11A0547

Report Date: 01/31/2011
Client Project ID: 10742
York Project (SDG) No.: 11A0547

EEA, Inc
55 Hilton Ave
Garden City NY, 11530
Attention: Sean Martin

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 January 21, 2011 and listed below. The project was identified as your project: **10742**.

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
11A0547-01	B-1 0-2'	Soil	01/21/2011	01/21/2011
11A0547-02	B-1 10-12'	Soil	01/21/2011	01/21/2011
11A0547-03	B-2 0-2'	Soil	01/21/2011	01/21/2011
11A0547-04	B-2 10-12'	Water	01/21/2011	01/21/2011
11A0547-05	B-1 GW	Water	01/21/2011	01/21/2011

General Notes for York Project (SDG) No.: 11A0547

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:** 01/31/2011

Robert Q. Bradley
Managing Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 0-2'** **York Sample ID:** **11A0547-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	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	01/24/2011 14:49	01/25/2011 15:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.92	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
95-63-6	**1,2,4-Trimethylbenzene**	**6.9**	J	ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.55	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
108-67-8	**1,3,5-Trimethylbenzene**	**3.3**	J	ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.87	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
67-66-3	Chloroform	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 0-2'** **York Sample ID:** **11A0547-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	2.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.87	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
100-41-4	**Ethyl Benzene**	**4.9**	J	ug/kg dry	0.87	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-09-2	**Methylene chloride**	**31**	B	ug/kg dry	2.6	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
91-20-3	**Naphthalene**	**11**	J	ug/kg dry	1.2	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.80	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
95-47-6	**o-Xylene**	**4.2**	J	ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
1330-20-7P/M	**p- & m- Xylenes**	**14**	J	ug/kg dry	1.4	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.62	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
108-88-3	**Toluene**	**2.9**	J	ug/kg dry	0.57	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
1330-20-7	**Xylenes, Total**	**18**	J	ug/kg dry	2.6	35	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 0-2'** **York Sample ID:** **11A0547-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	105	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	83.9	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	91.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	65.8	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	83.9	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	91.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	58.5	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
91-57-6	**2-Methylnaphthalene**	**148**	J	ug/kg dry	66.8	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	48.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	69.5	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	80.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	20.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	75.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	55.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	63.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
83-32-9	**Acenaphthene**	**859**		ug/kg dry	111	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
208-96-8	**Acenaphthylene**	**113**	J	ug/kg dry	53.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
62-53-3	Aniline	ND		ug/kg dry	69.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
120-12-7	**Anthracene**	**1210**		ug/kg dry	47.5	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
56-55-3	**Benzo(a)anthracene**	**2300**		ug/kg dry	74.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
50-32-8	**Benzo(a)pyrene**	**1860**		ug/kg dry	50.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
205-99-2	**Benzo(b)fluoranthene**	**2380**		ug/kg dry	73.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
191-24-2	**Benzo(g,h,i)perylene**	**215**		ug/kg dry	57.6	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
207-08-9	**Benzo(k)fluoranthene**	**2070**		ug/kg dry	74.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	80.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	70.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	65.1	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	71.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	64.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
218-01-9	**Chrysene**	**2110**		ug/kg dry	77.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
53-70-3	**Dibenzo(a,h)anthracene**	**121**	J	ug/kg dry	48.5	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	61.9	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	101	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	55.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	57.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 0-2'

York Sample ID: 11A0547-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals

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
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	86.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
206-44-0	**Fluoranthene**	**3300**		ug/kg dry	111	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
86-73-7	**Fluorene**	**769**		ug/kg dry	53.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	31.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	76.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	143	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	69.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**286**		ug/kg dry	70.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
78-59-1	Isophorone	ND		ug/kg dry	71.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
91-20-3	**Naphthalene**	**281**		ug/kg dry	57.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	86.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	69.4	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	111	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
85-01-8	**Phenanthrene**	**3010**		ug/kg dry	70.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
129-00-0	**Pyrene**	**3120**		ug/kg dry	68.8	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
110-86-1	Pyridine	ND		ug/kg dry	74.9	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD

Pesticides/PCBs, EPA TCL 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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.69	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
72-55-9	**4,4'-DDE**	**6.61**		ug/kg dry	2.17	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
50-29-3	**4,4'-DDT**	**31.6**		ug/kg dry	1.70	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
309-00-2	Aldrin	ND		ug/kg dry	2.43	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.86	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	7.82	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	7.82	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.39	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.2	15.2	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.07	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 0-2'

York Sample ID: 11A0547-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL 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
60-57-1	Dieldrin	ND		ug/kg dry	2.24	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.84	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.32	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.94	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
72-20-8	Endrin	ND		ug/kg dry	2.30	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.55	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.67	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.63	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.03	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.67	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.79	19.0	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.82	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
8001-35-2	Toxaphene	ND		ug/kg dry		380	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3800**		mg/kg dry	1.45	2.30	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-36-0	**Antimony**	**1.08**		mg/kg dry	0.161	0.345	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-38-2	**Arsenic**	**8.84**		mg/kg dry	0.219	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-39-3	**Barium**	**191**		mg/kg dry	0.276	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.115	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.150	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-70-2	**Calcium**	**15200**		mg/kg dry	0.050	2.30	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-47-3	**Chromium**	**10.4**		mg/kg dry	0.092	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-48-4	**Cobalt**	**4.95**		mg/kg dry	0.092	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-50-8	**Copper**	**55.8**		mg/kg dry	0.161	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7439-89-6	**Iron**	**11500**		mg/kg dry	0.633	1.15	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7439-92-1	**Lead**	**483**		mg/kg dry	0.115	0.345	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7439-95-4	**Magnesium**	**2090**		mg/kg dry	0.943	2.30	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7439-96-5	**Manganese**	**197**		mg/kg dry	0.092	1.15	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-02-0	**Nickel**	**12.5**		mg/kg dry	0.081	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-09-7	**Potassium**	**800**		mg/kg dry	3.13	11.5	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7782-49-2	**Selenium**	**4.12**		mg/kg dry	0.243	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-22-4	Silver	ND		mg/kg dry	0.104	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-23-5	**Sodium**	**329**		mg/kg dry	7.73	11.5	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 0-2' **York Sample ID:** 11A0547-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		mg/kg dry	0.219	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-62-2	**Vanadium**	**13.8**		mg/kg dry	0.092	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-66-6	**Zinc**	**207**		mg/kg dry	0.081	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.23**		mg/kg dry	0.112	0.115	1	EPA SW846-7471	01/24/2011 15:10	01/24/2011 15:10	AA

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**86.9**		%	0.100	0.100	1	SM 2540G	01/24/2011 16:29	01/24/2011 16:29	MZ

Sample Information

Client Sample ID: B-1 10-12' **York Sample ID:** 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 17:46	01/24/2011 17:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	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	01/24/2011 17:46	01/24/2011 17:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.94	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 10-12'** **York Sample ID:** **11A0547-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.56	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
67-66-3	Chloroform	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.96	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-09-2	**Methylene chloride**	**19**	J, B	ug/kg dry	2.7	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.81	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12'

York Sample ID: 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.63	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
108-88-3	Toluene	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	35	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	107	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	85.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	93.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	67.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	85.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	93.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	59.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	68.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	49.3	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	71.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	81.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	77.3	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	56.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	65.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
83-32-9	Acenaphthene	ND		ug/kg dry	113	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	54.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
62-53-3	Aniline	ND		ug/kg dry	70.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12' **York Sample ID:** 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	**Anthracene**	**73.2**	J	ug/kg dry	48.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
56-55-3	**Benzo(a)anthracene**	**130**	J	ug/kg dry	75.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
50-32-8	**Benzo(a)pyrene**	**92.0**	J	ug/kg dry	51.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
205-99-2	**Benzo(b)fluoranthene**	**107**	J	ug/kg dry	74.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	58.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	75.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	81.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	72.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	66.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	72.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	65.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
218-01-9	**Chrysene**	**122**	J	ug/kg dry	78.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	63.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	103	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	56.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	58.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	88.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
206-44-0	**Fluoranthene**	**287**		ug/kg dry	113	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
86-73-7	Fluorene	ND		ug/kg dry	54.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	31.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	78.3	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	146	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	70.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	72.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
78-59-1	Isophorone	ND		ug/kg dry	72.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
91-20-3	Naphthalene	ND		ug/kg dry	58.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	88.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	70.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	51.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	113	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
85-01-8	**Phenanthrene**	**293**		ug/kg dry	72.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
129-00-0	**Pyrene**	**257**		ug/kg dry	70.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
110-86-1	Pyridine	ND		ug/kg dry	76.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12'

York Sample ID: 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL 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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.73	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.22	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
309-00-2	Aldrin	ND		ug/kg dry	2.48	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.92	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	7.99	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	7.99	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.44	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.5	15.5	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.11	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.29	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.88	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.37	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.98	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
72-20-8	Endrin	ND		ug/kg dry	2.35	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.61	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.70	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.69	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.09	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.70	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.99	19.4	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.99	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
8001-35-2	Toxaphene	ND		ug/kg dry		388	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 10-12'** **York Sample ID:** **11A0547-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4420**		mg/kg dry	1.48	2.35	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-36-0	Antimony	ND		mg/kg dry	0.164	0.352	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-38-2	**Arsenic**	**3.21**		mg/kg dry	0.223	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-39-3	**Barium**	**39.9**		mg/kg dry	0.282	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.117	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.153	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-70-2	**Calcium**	**689**		mg/kg dry	0.051	2.35	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-47-3	**Chromium**	**7.05**		mg/kg dry	0.094	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-48-4	**Cobalt**	**4.82**		mg/kg dry	0.094	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-50-8	**Copper**	**9.32**		mg/kg dry	0.164	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7439-89-6	**Iron**	**11600**		mg/kg dry	0.646	1.17	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7439-92-1	**Lead**	**6.29**		mg/kg dry	0.117	0.352	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7439-95-4	**Magnesium**	**1560**		mg/kg dry	0.963	2.35	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7439-96-5	**Manganese**	**140**		mg/kg dry	0.094	1.17	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-02-0	**Nickel**	**6.50**		mg/kg dry	0.082	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-09-7	**Potassium**	**562**		mg/kg dry	3.19	11.7	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7782-49-2	**Selenium**	**2.93**		mg/kg dry	0.248	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-22-4	Silver	ND		mg/kg dry	0.106	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-23-5	**Sodium**	**196**		mg/kg dry	7.89	11.7	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-28-0	Thallium	ND		mg/kg dry	0.223	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-62-2	**Vanadium**	**9.54**		mg/kg dry	0.094	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-66-6	**Zinc**	**25.2**		mg/kg dry	0.082	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.114	0.117	1	EPA SW846-7471	01/24/2011 15:10	01/24/2011 15:10	AA

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12' **York Sample ID:** 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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**	**85.2**		%	0.100	0.100	1	SM 2540G	01/24/2011 16:29	01/24/2011 16:29	MZ

Sample Information

Client Sample ID: B-2 0-2' **York Sample ID:** 11A0547-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 18:34	01/24/2011 18:34	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.97	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.0	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.5	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-2 0-2'** **York Sample ID:** **11A0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	1.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
67-66-3	Chloroform	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.0	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-09-2	**Methylene chloride**	**21**	J, B	ug/kg dry	2.8	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.84	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.65	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
108-88-3	**Toluene**	**2.0**	J	ug/kg dry	0.60	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 0-2'

York Sample ID: 11A0547-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	2.4	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	36	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	110	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	88.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	96.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	69.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	88.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	96.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	61.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
91-57-6	**2-Methylnaphthalene**	**74.3**	J	ug/kg dry	70.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	50.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	73.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	84.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	79.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	58.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	67.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
83-32-9	**Acenaphthene**	**342**		ug/kg dry	117	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
208-96-8	**Acenaphthylene**	**215**		ug/kg dry	56.5	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
62-53-3	Aniline	ND		ug/kg dry	72.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
120-12-7	**Anthracene**	**777**		ug/kg dry	50.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
56-55-3	**Benzo(a)anthracene**	**2650**		ug/kg dry	78.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
50-32-8	**Benzo(a)pyrene**	**2340**		ug/kg dry	52.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
205-99-2	**Benzo(b)fluoranthene**	**2480**		ug/kg dry	76.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
191-24-2	**Benzo(g,h,i)perylene**	**268**		ug/kg dry	60.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
207-08-9	**Benzo(k)fluoranthene**	**2210**		ug/kg dry	78.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	84.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	74.4	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	68.5	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	75.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	67.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-2 0-2'** **York Sample ID:** **11A0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals **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
218-01-9	**Chrysene**	**2510**		ug/kg dry	81.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	51.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	65.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	106	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	58.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	60.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	90.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
206-44-0	**Fluoranthene**	**2390**		ug/kg dry	117	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
86-73-7	**Fluorene**	**370**		ug/kg dry	56.5	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	32.9	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	80.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	150	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	72.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**339**		ug/kg dry	74.4	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
78-59-1	Isophorone	ND		ug/kg dry	75.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
91-20-3	**Naphthalene**	**65.8**	J	ug/kg dry	60.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	90.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	73.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	52.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	117	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
85-01-8	**Phenanthrene**	**2540**		ug/kg dry	74.5	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
129-00-0	**Pyrene**	**3600**		ug/kg dry	72.4	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
110-86-1	Pyridine	ND		ug/kg dry	78.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-2 0-2'** **York Sample ID:** **11A0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL 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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.78	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
72-55-9	**4,4'-DDE**	**8.89**		ug/kg dry	2.29	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
50-29-3	**4,4'-DDT**	**25.6**		ug/kg dry	1.79	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
309-00-2	Aldrin	ND		ug/kg dry	2.55	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
319-84-6	alpha-BHC	ND		ug/kg dry	3.01	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	8.23	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	8.23	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.52	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
57-74-9	**Chlordane, total**	**51.3**		ug/kg dry	16.0	16.0	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.18	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.36	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.94	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.45	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.05	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
72-20-8	Endrin	ND		ug/kg dry	2.42	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.69	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.77	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.18	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.3	20.0	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.23	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
8001-35-2	Toxaphene	ND		ug/kg dry		400	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-2 0-2'** **York Sample ID:** **11A0547-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**2650**		mg/kg dry	1.53	2.42	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-36-0	**Antimony**	**1.52**		mg/kg dry	0.170	0.363	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-38-2	**Arsenic**	**9.69**		mg/kg dry	0.230	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-39-3	**Barium**	**130**		mg/kg dry	0.291	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.010	0.121	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.157	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-70-2	**Calcium**	**22600**		mg/kg dry	0.053	2.42	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-47-3	**Chromium**	**7.15**		mg/kg dry	0.097	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-48-4	**Cobalt**	**2.92**		mg/kg dry	0.097	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-50-8	**Copper**	**41.6**		mg/kg dry	0.170	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7439-89-6	**Iron**	**13600**		mg/kg dry	0.666	1.21	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7439-92-1	**Lead**	**342**		mg/kg dry	0.121	0.363	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7439-95-4	**Magnesium**	**1250**		mg/kg dry	0.993	2.42	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7439-96-5	**Manganese**	**108**		mg/kg dry	0.097	1.21	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-02-0	**Nickel**	**4.52**		mg/kg dry	0.085	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-09-7	**Potassium**	**540**		mg/kg dry	3.29	12.1	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7782-49-2	**Selenium**	**4.19**		mg/kg dry	0.255	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-22-4	Silver	ND		mg/kg dry	0.109	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-23-5	**Sodium**	**335**		mg/kg dry	8.14	12.1	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-28-0	Thallium	ND		mg/kg dry	0.230	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-62-2	**Vanadium**	**7.54**		mg/kg dry	0.097	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-66-6	**Zinc**	**203**		mg/kg dry	0.085	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.460**		mg/kg dry	0.117	0.121	1	EPA SW846-7471	01/24/2011 15:10	01/24/2011 15:10	AA

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 0-2' **York Sample ID:** 11A0547-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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**	**82.6**		%	0.100	0.100	1	SM 2540G	01/24/2011 16:29	01/24/2011 16:29	MZ

Sample Information

Client Sample ID: B-2 10-12' **York Sample ID:** 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 19:21	01/24/2011 19:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	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	01/24/2011 19:21	01/24/2011 19:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.94	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.56	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 10-12'

York Sample ID: 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 19:21	01/24/2011 19:21	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
67-66-3	Chloroform	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-09-2	**Methylene chloride**	**20**	J, B	ug/kg dry	2.7	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.81	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.64	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
108-88-3	Toluene	ND		ug/kg dry	0.59	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 10-12' **York Sample ID:** 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 19:21	01/24/2011 19:21	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	35	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS

Semi-Volatiles, 8270 Base/Neutrals

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	107	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	85.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	93.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	67.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	85.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	93.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	60.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	68.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	49.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	71.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	81.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	77.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	56.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	65.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
83-32-9	Acenaphthene	ND		ug/kg dry	114	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	55.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
62-53-3	Aniline	ND		ug/kg dry	70.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
120-12-7	**Anthracene**	**58.9**	J	ug/kg dry	48.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
56-55-3	**Benzo(a)anthracene**	**162**	J	ug/kg dry	76.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
50-32-8	**Benzo(a)pyrene**	**141**	J	ug/kg dry	51.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
205-99-2	**Benzo(b)fluoranthene**	**124**	J	ug/kg dry	74.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	59.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
207-08-9	**Benzo(k)fluoranthene**	**151**	J	ug/kg dry	76.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	81.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	72.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	66.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	72.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
117-81-7	**Bis(2-ethylhexyl)phthalate**	**78.9**	J	ug/kg dry	65.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-2 10-12'** **York Sample ID:** **11A0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals **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
218-01-9	**Chrysene**	**156**	J	ug/kg dry	79.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	63.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	103	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	56.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	58.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	88.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
206-44-0	**Fluoranthene**	**273**		ug/kg dry	114	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
86-73-7	Fluorene	ND		ug/kg dry	55.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	32.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	78.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	146	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	70.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	72.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
78-59-1	Isophorone	ND		ug/kg dry	72.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
91-20-3	Naphthalene	ND		ug/kg dry	58.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	88.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	71.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	51.3	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	114	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
85-01-8	**Phenanthrene**	**200**		ug/kg dry	72.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
129-00-0	**Pyrene**	**277**		ug/kg dry	70.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
110-86-1	Pyridine	ND		ug/kg dry	76.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 10-12'

York Sample ID: 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL 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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.73	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.23	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
309-00-2	Aldrin	ND		ug/kg dry	2.49	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.93	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	8.01	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	8.01	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.45	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.6	15.6	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.12	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.30	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.89	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.38	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.99	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
72-20-8	Endrin	ND		ug/kg dry	2.36	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.62	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.71	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.70	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.10	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.71	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.0	19.4	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.01	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
8001-35-2	Toxaphene	ND		ug/kg dry		389	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-2 10-12'** **York Sample ID:** **11A0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4150**		mg/kg dry	1.48	2.36	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-36-0	Antimony	ND		mg/kg dry	0.165	0.353	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-38-2	**Arsenic**	**4.19**		mg/kg dry	0.224	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-39-3	**Barium**	**22.1**		mg/kg dry	0.283	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.118	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.153	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-70-2	**Calcium**	**538**		mg/kg dry	0.051	2.36	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-47-3	**Chromium**	**6.78**		mg/kg dry	0.094	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-48-4	**Cobalt**	**4.96**		mg/kg dry	0.094	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-50-8	**Copper**	**6.13**		mg/kg dry	0.165	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7439-89-6	**Iron**	**11200**		mg/kg dry	0.648	1.18	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7439-92-1	**Lead**	**4.94**		mg/kg dry	0.118	0.353	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7439-95-4	**Magnesium**	**1100**		mg/kg dry	0.966	2.36	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7439-96-5	**Manganese**	**114**		mg/kg dry	0.094	1.18	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-02-0	**Nickel**	**6.82**		mg/kg dry	0.082	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-09-7	**Potassium**	**489**		mg/kg dry	3.20	11.8	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7782-49-2	**Selenium**	**2.86**		mg/kg dry	0.249	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-22-4	Silver	ND		mg/kg dry	0.106	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-23-5	**Sodium**	**206**		mg/kg dry	7.92	11.8	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-28-0	Thallium	ND		mg/kg dry	0.224	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-62-2	**Vanadium**	**12.0**		mg/kg dry	0.094	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-66-6	**Zinc**	**24.4**		mg/kg dry	0.082	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.114	0.118	1	EPA SW846-7471	01/24/2011 15:10	01/24/2011 15:10	AA

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-2 10-12'** **York Sample ID:** **11A0547-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

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**	**84.9**		%	0.100	0.100	1	SM 2540G	01/24/2011 16:29	01/24/2011 16:29	MZ

Sample Information

Client Sample ID: **B-1 GW** **York Sample ID:** **11A0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 GW** **York Sample ID:** **11A0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-09-2	**Methylene chloride**	**2.5**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
91-20-3	Naphthalene	ND		ug/L	0.50	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW

York Sample ID: 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.46	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.82	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.05	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.90	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
91-58-7	2-Chloronaphthalene	ND		ug/L	3.88	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
91-57-6	2-Methylnaphthalene	ND		ug/L	3.42	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
88-74-4	2-Nitroaniline	ND		ug/L	3.34	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	3.90	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
99-09-2	3-Nitroaniline	ND		ug/L	1.77	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.83	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
106-47-8	4-Chloroaniline	ND		ug/L	4.16	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.47	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
100-02-7	4-Nitroaniline	ND		ug/L	4.19	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
83-32-9	Acenaphthene	ND		ug/L	3.60	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
208-96-8	Acenaphthylene	ND		ug/L	4.75	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
62-53-3	Aniline	ND		ug/L	2.18	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
120-12-7	Anthracene	ND		ug/L	4.07	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	4.52	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	5.39	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.84	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	5.39	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	4.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW

York Sample ID: 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	2.86	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
218-01-9	Chrysene	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.44	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
132-64-9	Dibenzofuran	ND		ug/L	3.22	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
84-66-2	Diethyl phthalate	ND		ug/L	2.44	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
131-11-3	Dimethyl phthalate	ND		ug/L	5.39	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
84-74-2	Di-n-butyl phthalate	ND		ug/L	4.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
117-84-0	Di-n-octyl phthalate	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
206-44-0	Fluoranthene	ND		ug/L	1.77	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
86-73-7	Fluorene	ND		ug/L	3.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
118-74-1	Hexachlorobenzene	ND		ug/L	3.28	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
87-68-3	Hexachlorobutadiene	ND		ug/L	3.68	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.83	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
67-72-1	Hexachloroethane	ND		ug/L	4.03	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	3.05	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
78-59-1	Isophorone	ND		ug/L	3.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
91-20-3	Naphthalene	ND		ug/L	4.29	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
98-95-3	Nitrobenzene	ND		ug/L	2.18	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	3.45	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	4.02	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
85-01-8	Phenanthrene	ND		ug/L	4.01	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
129-00-0	Pyrene	ND		ug/L	2.63	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
110-86-1	Pyridine	ND		ug/L	3.54	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW

York Sample ID: 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00109	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00114	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
50-29-3	4,4'-DDT	ND		ug/L	0.000960	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
309-00-2	Aldrin	ND		ug/L	0.000994	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
319-84-6	alpha-BHC	ND		ug/L	0.00110	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
12674-11-2	Aroclor 1016	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0482	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0482	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
319-85-7	beta-BHC	ND		ug/L	0.000903	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
57-74-9	Chlordane, total	ND		ug/L	0.00457	0.00457	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
319-86-8	delta-BHC	ND		ug/L	0.00110	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
60-57-1	Dieldrin	ND		ug/L	0.000811	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
959-98-8	Endosulfan I	ND		ug/L	0.000903	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
33213-65-9	Endosulfan II	ND		ug/L	0.000960	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00109	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
72-20-8	Endrin	ND		ug/L	0.00107	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.000777	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
53494-70-5	Endrin ketone	ND		ug/L	0.00104	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00110	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
76-44-8	Heptachlor	ND		ug/L	0.00109	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.000857	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
72-43-5	Methoxychlor	ND		ug/L	0.00224	0.00571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
1336-36-3	Total PCBs	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
8001-35-2	Toxaphene	ND		ug/L	0.114	0.114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW **York Sample ID:** 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.007	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-39-3	**Barium**	**0.061**		mg/L	0.004	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-70-2	**Calcium**	**124**		mg/L	0.009	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-48-4	Cobalt	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7439-89-6	**Iron**	**0.036**		mg/L	0.006	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7439-92-1	Lead	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7439-95-4	**Magnesium**	**9.79**		mg/L	0.008	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7439-96-5	**Manganese**	**0.152**		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-02-0	Nickel	ND		mg/L	0.0008	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-09-7	**Potassium**	**26.4**		mg/L	0.026	0.050	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7782-49-2	**Selenium**	**0.024**		mg/L	0.002	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-23-5	**Sodium**	**16.6**		mg/L	0.066	0.100	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**39.0**		mg/L	0.007	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-38-2	**Arsenic**	**0.042**		mg/L	0.001	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-39-3	**Barium**	**1.02**		mg/L	0.004	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-41-7	**Beryllium**	**0.004**		mg/L	0.0009	0.001	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-70-2	**Calcium**	**150**		mg/L	0.009	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-47-3	**Chromium**	**0.091**		mg/L	0.0009	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-48-4	**Cobalt**	**0.076**		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-50-8	**Copper**	**0.169**		mg/L	0.002	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **B-1 GW** **York Sample ID:** **11A0547-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**77.4**		mg/L	0.006	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7439-92-1	**Lead**	**0.446**		mg/L	0.001	0.003	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7439-95-4	**Magnesium**	**19.6**		mg/L	0.008	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7439-96-5	**Manganese**	**3.51**		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-02-0	**Nickel**	**0.077**		mg/L	0.0008	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-09-7	**Potassium**	**32.5**		mg/L	0.026	0.050	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7782-49-2	**Selenium**	**0.035**		mg/L	0.002	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-23-5	**Sodium**	**16.6**		mg/L	0.066	0.100	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-62-2	**Vanadium**	**0.155**		mg/L	0.001	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-66-6	**Zinc**	**0.346**		mg/L	0.0009	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	01/24/2011 15:15	01/24/2011 15:15	AA

Mercury, Dissolved

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	01/24/2011 15:13	01/24/2011 15:13	AA

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank.

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:

APPENDIX D

SOIL BORING LOGS

EEA, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING REPORT LOG

DATE: 01/21/11	SHEET 1 OF 2
CLIENT: Passiv House Xperimental LLC	LOCATION ID#
PROJECT LOCATION: 107 Union Street, Brooklyn, NY	**B-1**
REMARKS: Sample taken on southern portion of property near sidewalk.	PROJECT #10742

DRILLING CONTRACTOR: TSDT, INC.			LOGGED BY SM		DRILLER PR/WB	
EQUIPMENT	SOIL SAMPLER	HAMMER WEIGHT/FALL	Casing Type	Monitor Well Specification		DRILL RIG
						DRILL METHOD
TYPE	MACROCORE					GEOPROBE LT 54 MACROCORE
SIZE	2 inch O.D.					
SURFACE ELEVATION: NA		Surface Materials: grass, dirt				

WATER LEVEL (IN OPEN BOREHOLE): 7 feet

DEPTH (fbg)	SAMPLE	DEPTH	OVA (ppm)	MOISTURE	STRATA	SOIL – ROCK DESCRIPTION – CLASSIFICATION
0	S-1*	0' – 4'	0.0	Dry		0' – 4' Fill materials – fine silty tan sand with some asphalt and brick, No staining or odors
5	S-2	4' - 8'	0.0	Moist		4' - 6' Fill materials – fine silty tan sand with some asphalt and brick, No staining or odors 6' - 8' – fine sandy tan silt with trace fine gravel, No staining or odors, gw @ ~7 bgs
10	S-3*	8' – 12'	0.0	Wet		8'-12' – fine silty tan sand, No staining or odors End of Soil Boring @ 12 feet below grade. * soil samples collected for laboratory analysis. Note: groundwater (gw) sample also taken at this location
15						
20						
25						
30						

EEA, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING REPORT LOG

DATE: 01/21/11	SHEET 2 OF 2
CLIENT: Passiv House Xperimental LLC	LOCATION ID#
PROJECT LOCATION: 107 Union Street, Brooklyn, NY	**B-2**
REMARKS: Sample taken in middle of property lot.	PROJECT #10742

DRILLING CONTRACTOR: TSDT, INC.			LOGGED BY	SM	DRILLER	PR/WB
EQUIPMENT	SOIL SAMPLER	HAMMER WEIGHT/FALL	Casing Type	Monitor Well Specification		DRILL RIG
						DRILL METHOD
TYPE	MACROCORE					GEOPROBE LT 54 MACROCORE
SIZE	2 inch O.D.					
SURFACE ELEVATION: NA		Surface Materials: grass, dirt				

WATER LEVEL (IN OPEN BOREHOLE): NA

DEPTH (fbg)	SAMPLE	DEPTH	OVA (ppm)	MOISTURE	STRATA	SOIL – ROCK DESCRIPTION – CLASSIFICATION
0	S-1*	0' – 4'	0.0	Dry		0' – 4' Fill materials – fine silty tan sand with some asphalt and brick, No staining or odors
5	S-2	4' - 8'	0.0	Moist		4' - 6' Fill materials – fine silty tan sand with some asphalt and brick, No staining or odors 6' - 8' – fine sandy tan silt with trace fine gravel, No staining or odors, gw @ ~7 bgs
10	S-3*	8' – 12'	0.0	Wet		8'-12' – fine silty tan sand, No staining or odors End of Soil Boring @ 12 feet below grade. * soil samples collected for laboratory analysis
15						
20						
25						

APPENDIX E

NYCDEP APPROVAL LETTER

Environmental Protection

Caswell F. Holloway
Commissioner

Angela Licata
Deputy Commissioner
Bureau of Environmental
Planning and Analysis
alicata@dep.nyc.gov

59-17 Junction Boulevard
Flushing, NY 11373
T: (718) 595-4398
F: (718) 595-4479

January 6, 2010

Mr. Rory Levy
CEQR Examiner
New York City Board of Standards and Appeals
40 Rector Street, 9th Floor
New York, New York 10006

Re: 107 Union Street
Block 335, Lots 42
11BSA009K/11DEPTECH010K
Brooklyn, New York

Dear Mr. Levy:

The New York City Department of Environmental Protection, Bureau of Environmental Planning and Analysis (DEP) has reviewed the December 2010 Phase II Environmental Site Investigation Work Plan (Workplan) and Health and Safety Plan (HASP), prepared by EEA Inc. on behalf of Herman Galvis of Passiv House Xperimental LLC (applicant) for the above-referenced project. The applicant is seeking a Bulk and Use variance from the New York City Board of Standards and Appeals (BSA) to develop a two-story residential building within an M1-1 district on Block 335, Lot 42, located between Columbia Street and Van Brunt Street in the Flatlands section of Brooklyn Community District 6. As currently proposed, the action would permit construction of a 4,600 square foot two-family, four-story residential building with a ground floor studio apartment. The site is currently a vacant 2,300 square foot property.

The December 2010Phase II Workplan proposes the installation of two soil borings to a depth of approximately 12 feet below ground surface).Two soil samples will be collected from each boring location and one groundwater samples (via temporary monitoring wells) will also be collected. Soil and groundwater samples will be collected and analyzed for Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency Method 8260, Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270B/N only, Pesticides and Polychlorinated Biphenyls (PCBs) by EPA Method 8081/ 8082, Target Analyte List (TAL) metals (filtered and unfiltered for groundwater samples). In addition, the HASP identifies appropriate protection for the on-site workers during the Phase II Environmental Site Investigation.

DEP finds the Phase II Workplan and HASP for the proposed project acceptable as long as the following information is incorporated into the Workplan.

- BSA should instruct the applicant that soil and groundwater samples should be collected and analyzed by a New York State Department of HealthEnvironmental Laboratory Approval Program certified laboratory for the presence of VOCs by Method EPA 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082 and TALmetals (Filtered and unfiltered for groundwater samples).

- BSA should also inform the applicant that upon completion of the investigation activities, a detailed Phase II report must be submitted to DEP for review and approval. The report should include, at a minimum, an executive summary, narrative of the field activities, laboratory data and conclusions, comparison of soil and groundwater analytical result with the current New York State Department of Environmental Conservation 6 NYCRR Part 375 Soil Cleanup Objectives and DEC Technical and Operational Guidance Series 1.1.1 Ambient Water Quality Standards and Guidance Values, updated site plans depicting sample locations, boring logs, and remedial recommendations, if warranted.

Future correspondence and submittal related to this project should include the following tracking number **11DEPTECH010K.** If you have any questions or comments, you may contact Ms. Mahalia Myrie at (718) 595-3212.

Sincerely,

Marine Winter for

Gary C. Heath

Director, Bureau Operations and Environmental Analysis

cc: G. Heath
M. Winter
M. Myrie
C. Chung
S. Vafadari
W. Yu
File

- BSA should instruct the applicant that soil and groundwater samples should be collected and analyzed by a New York State Department of HealthEnvironmental Laboratory Approval Program certified laboratory for the presence of VOCs by Method EPA 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082 and TALmetals (Filtered and unfiltered for groundwater samples).

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Sincerely,

Marine Winter for

Gary C. Heath

Director, Bureau Operations and Environmental Analysis

cc: G. Heath
M. Winter
M. Myrie
C. Chung
S. Vafadari
W. Yu
File

RIR
APPENDIX B

Health and Safety Plan

INTERIM REMEDIAL MEASURES
HEALTH AND SAFETY PLAN

VACANT NYC BROWNFIELDS SITE
107 Union Street, Brooklyn
NEW YORK 11561

March, 2012
***LEA* PROJECT # 12-152**

Sheila Bubka, CIH
Health and Safety Officer
AIHA Certification Number 6111

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LAUREL Environmental Associates, Ltd. • 53 West Hills Rd • Huntington, NY • 11743 • phone (631) 673-0612 • fax (631) 427-5323

HEALTH AND SAFETY PLAN
FOR USE DURING REMEDIAL INVESTIGATION REPORT

1.0 PURPOSE

The purpose of this Health and Safety Plan (HASP) is to assign responsibilities, establish minimum personnel protection standards and operating procedures and provide for contingencies that may arise while operations are being performed at the subject site, 107 Union Street, Brooklyn, New York. The proposed Remedial Investigation Report (RIR) will include the sampling of soil vapors at the site.

Laurel Environmental Associates, Ltd. (LEA) and it subcontractors will be responsible for providing materials, equipment and labor required by the HASP. The protocols of the HASP will be followed by all personnel involved in the work, including employees and agents of Contractors, Subcontractors and Owner. Mr. Scott Yanuck, ***LEA*** Hydrogeologist is the Project Manager, Sheila Bubka is the Health and Safety Officer, and Carla Sullivan is the Quality Assurance/Quality Control Officer for the project.

This HASP establishes the minimum level of personnel protection. Additional measures will be implemented if necessary to protect personnel involved in the work and the public at large.

Conditions at the site are not expected to warrant either Level B or Level C protection during the investigation based on known site conditions. Regardless, all workers present on site will be familiar with proper protection procedures and the HASP. All personnel scheduled to work at the site are 40-hour OSHA HAZWOPER CFR 1910.120 trained, with 8-hour refreshers up to date.

Given the scope of the work, and the type of contaminants on-site, there is a low potential of the surrounding community being negatively impacted by activities which will be conducted during this investigation. ***Laurel Environmental Associates, Ltd.*** will take every possible step to avoid any type of negative impact.

The Site is currently a vacant fenced lot. Soils will be field screened with a Photoionization Detector (PID) to determine the presence of organic contamination. If an emergency occurs during the measures, which in any event may impact the surrounding community, all appropriate emergency resources listed under the Emergency Contingency Plan Section of this plan will be immediately notified.

2.0 HAZARD EVALUATION

Elevated levels of volatile organic compounds (VOCs) in the atmosphere are not expected to occur during on-site activities. However, the presence of VOCs will be evaluated using a Photoionization Detector (PID). Results from the air monitoring will determine if Level D personnel protection of workers is appropriate or a higher level of protection is required.

During all activities, ***LEA*** personnel will monitor the area around the excavation using a PID to ensure that the appropriate worker protection is maintained for the level of pollutants found. If air monitoring indicates contaminant concentrations pose a risk to workers, the area will be immediately evacuated. Guidelines that will be followed before continuing are noted in Table 1 on the following page. If conditions warrant, Level B and C protection will be worn.

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Table 1
Atmospheric Hazard Guidelines

Hazard	Monitoring Equipment	Measured Level	Action
Explosive Atmosphere	Combustible Gas Indicator	<10% LEL	Continue investigation.
		10%-20% LEL	Continue on-site monitoring with extreme caution as higher levels are encountered.
		>20% LEL	Explosion hazard. Withdraw from area immediately.
Oxygen	Multi RAE	Oxygen conc.	
		<19.5%	Withdraw from area. NOTE: Combustible gas readings are not valid in atmosphere with oxygen levels of less than 19.5%
		19.5% - 23.5%	Continue investigation with caution.
		>23.5%	Fire hazard potential. Discontinue investigation. Withdraw from area.
Organic gases and vapors	PID	Background	Continue work
		5 ppm	Temporarily halt work until average readings drop below 5 ppm
		5 - 25 ppm	Halt work, identify and remedy or abate source Continue work once average readings drop below 5 ppm
		Above 15 ppm	Work must be shut down. Evaluate alternative approaches

Notes:
1. LEL = Lower Explosive Limit

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3.0 SITE CONTROL

3.1 Site Work Locations:

Activities involving soil, groundwater and soil vapor sampling will be performed within the fenced boundaries of the property. The work areas are the locations in which the actual activities will occur. Workers entering these areas are required to be protected as defined below. Only authorized personnel, including personnel conducting the work activities involved, and specialized personnel such as subcontractors engaged in well installation and operation of heavy equipment, will be allowed in the work areas. Within the work areas, the levels of protection will be determined based on the degree of hazard present, as detected by the measurements obtained with the PID, and/or other activity-specific monitoring equipment. As an engineering control, a regenerative air blower may be used to reduce the potential for dangerous concentrations of VOCs in the breathing zone near the excavation, if warranted.

3.2 Work Zones:

Work zones will be defined prior to the commencement of work activities. These work zones will limit equipment, operations and personnel in the areas as defined below:

Exclusion Zone - This shall include all areas where potential environmental monitoring has shown or is suspected that a potential chemical hazard may exist to workers. This will include down-wind locations. If a chemical hazard exists at downwind locations, the exclusion zone will be expanded as necessary. The level of PPE required in these areas shall be determined by the Site HSO after air monitoring and on-Site inspection has been conducted. The area shall be clearly delineated from the decontamination area. As work proceeds, the delineation boundary shall be relocated as necessary to prevent the accidental contamination of nearby people and equipment.

Contamination Reduction Zone - This zone will occur at the interface between the Exclusion Zone ("Hot Zone") and Support Zone ("Clean Zone") and shall provide a transfer of personnel and equipment to and from the Support Zone to the Exclusion Zone. This zone is for the decontamination of personnel and equipment prior to entering the Support Zone, and for the physical segregation of the Support Zone and Exclusion Zone. The contamination reduction zone will be placed along the rear alleyway, as close to the Site as possible. Access to the alleyway by the public and employees of commercial business will be restricted during the RIR.

Support Zone - This area is the remainder of the work Site and project Site. The support zone will be staged near company vehicles on East Park Avenue and/or East Chester Street. The function of the Support Zone includes:

A. An entry area for personnel, material and equipment to the Exclusion Zone of site operations through the Contamination Reduction Zone
B. An Exit for decontamination personnel, materials and equipment from the "Decon" area of Site operations
C. The Housing of Site special services
D. A storage area for clean safety and work equipment

Small decontamination areas may be set up adjacent to the work area to facilitate decontamination of equipment that is reused throughout the field activity.

3.3 Dust and Odors:

If during sampling, dust or odors emanating from contaminated soils are deemed excessive at adjoining properties and commercial businesses, the sampling process will include misting with water to keep dust levels to a minimum.

3.4 Security:

Periodic security patrols will be conducted to ensure that adequate security is being maintained. Only workers authorized by the field manager may be allowed to enter the Site. Warning signs will be posted to discourage entry by unauthorized personnel. The HSO will brief all visitors of all security and safety plans.

At the end of each work day, the site will be secured with a locked gate and 6 foot chain link fencing.

3.5 Site Communications:

Communications on-Site will be conducted through verbal communications. When out of audible range, verbal communications may be assisted using mobile telephones and two-way radios.

4.0 PERSONAL PROTECTIVE EQUIPMENT

All on-site workers will be familiar with proper protection procedures and this Health and Safety Plan. Level D personal protective clothing will be worn at the outset.

As stated above Level B or C protection will be worn as required. General descriptions of Level C and B protection are presented in Tables 2 and 3 on the following page, respectively. If it is necessary to wear Level B or C protection, the work area shall be separated into three Zones: an Exclusion Zone, a Contamination Reduction Zone, and a Support Zone. No one but protected personnel shall be in the Exclusion and Contamination Reduction Zones. An entrance and exit point shall be designated and monitored to ensure that no unauthorized personnel enter the area. Everyone that enters the area shall log in the field note book with the length of time spent in the area and the task performed noted.

All workers shall wear gloves when handling soil/sludge and apparatus. Gloves shall also be worn while cleaning the sampling equipment.

If any personnel must be lowered into a confined spaces additional procedures must be followed. ***LEA*** will provide the confined space procedures. ***LEA*** will monitor the confined space prior to entry and complete the confined space permit. If needed, dilution or exhaust ventilation will be provided to lower contaminant levels.

All persons working in the confined space must have confined space awareness training and a confined space supervisor must be present. ***LEA*** will perform continuous air monitoring for oxygen, flammability and toxins. At a minimum, carbon monoxide and hydrogen sulfide will be monitored in addition to other site-specific chemicals determined to be a hazard. All personnel working in or monitoring the confined space activities must be properly OSHA confined space entry trained. An approved safety harness and tripod will be employed. Personnel at grade will be constantly monitoring the worker in the pool for signs of fatigue, heat stress or behavior change.

Table 2
LEVEL C PROTECTION

1. Full-face or half-mask, air purifying, canister equipped respirators (NIOSH approved) for those contaminants present.
2. Hooded chemical resistant clothing: (overalls; two-piece chemical-splash-suit; disposable chemical-resistant overalls).
3. Coveralls*
4. Gloves, outer, chemical-resistant
5. Gloves, inner, chemical-resistant
6. Boots (outer), chemical-resistant, steel toe and shank
7. Boot-covers, outer, chemical-resistant, (disposable)*
8. Hard hat
9. Escape mask*
10. Two-way radios (worn under outside protective clothing)
11. Face shield*

*Optional, as applicable.

Table 3
LEVEL B PROTECTION

1. Pressure-demand, full-faceplate self-contained breathing apparatus (SCBA), or pressure demand supplied air respirator with escape SCBA (NIOSH approved)
2. Hooded chemical-resistant clothing (overalls and long-sleeved shirts) jacket; coveralls; one or two-piece chemical-splash suit; disposable chemical-resistant overalls).
3. Coveralls*
4. Gloves, outer chemical-resistant
5. Gloves, inner, chemical-resistant.
6. Boots, outer, chemical resistant steel toe and shank
7. Boot-covers, outer, chemical-resistant (disposable)
8. Hard hat
9. Two-way radios (worn inside encapsulating suit)
10. Face shield*

* Optional, as applicable

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5.0 PERSONNEL SAFETY/HYGIENE

The safety practices to be followed by all on-site personnel include:

1. If Level B or C protection must be worn, eating, drinking, chewing gum or tobacco, smoking or any practice that increases the probability of hand-to-mouth transfer and ingestion of materials is prohibited in the Exclusion and Contamination Reduction Zones. All workers must be trained, medically qualified and fit tested in the use of respirators.

2. Hands and face must be thoroughly washed before eating, drinking or any other personal hygiene activities.

3. No excessive facial hair, which interferes with a satisfactory fit of the mask to face seal, is allowed for personnel to wear respiratory protective equipment.

6.0 PERSONNEL TRAINING

At the start of the job before engaging in any work, all personnel will be briefed on the following:

1. The person in charge as safety officer
2. Boundaries, entry and exit point locations of the work zones, if established
3. Use of personnel protection equipment
4. Principles of personnel hygiene
5. Location of first-aid equipment
6. Evacuation procedures to be followed in case of emergencies
7. Heat stress symptoms. All personnel will be advised to watch for signs of heat stress.

New personnel will be briefed on the same points prior to starting work at the site.

7.0 DECONTAMINATION PROCEDURES

If Level B or C protection is worn, decontamination procedures shall be performed in the Contamination Reduction Zone. All disposable garments and spent cartridges/canisters from respiratory equipment will be stored, transported, and properly disposed of in DOT approved 55-gallon drums. Potentially contaminated equipment will be cleaned before leaving the site.

8.0 EMERGENCY CONTINGENCY PLAN

In the event of physical injury, the safety officer or any other qualified person will initiate first aid and, if necessary, call the ambulance. If a chemical exposure is encountered, a physician will be informed, as specifically as possible, of the chemical(s) to which the person had been exposed and the toxicological properties of the chemical(s).

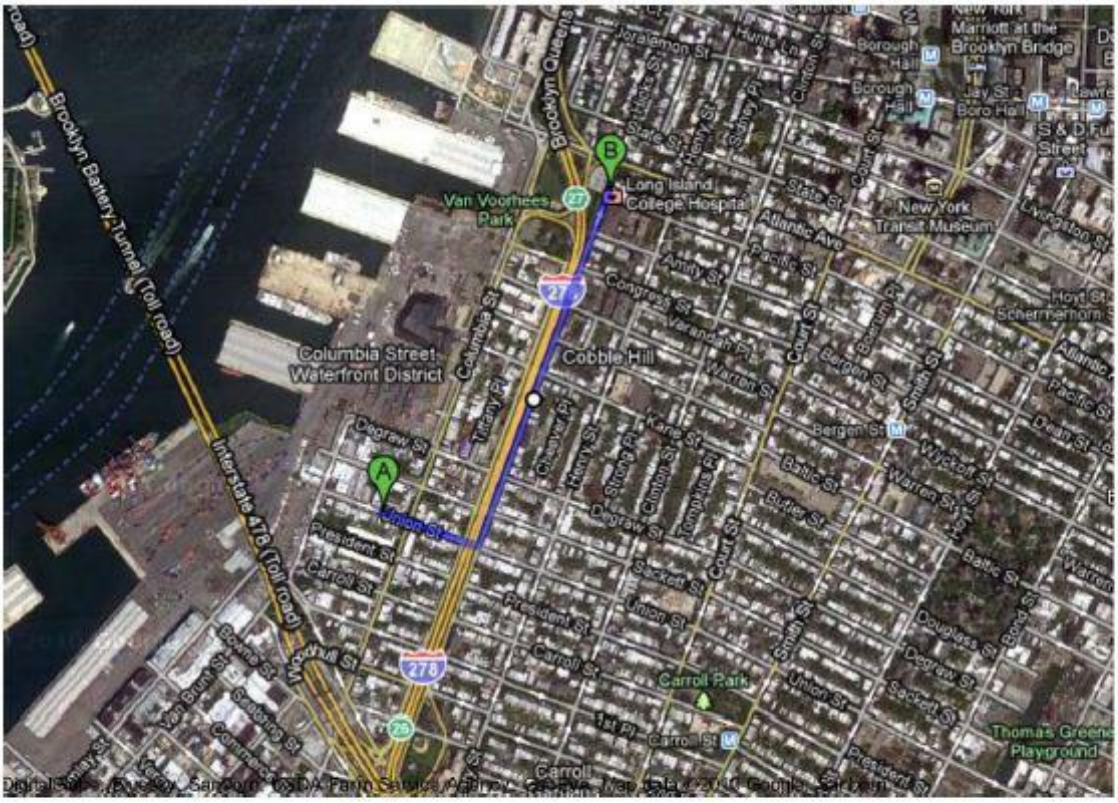
In case of any emergency, the following resources might need to be contacted:

A. Local Resource
   Fire Department: **911**
   Police Department: **911**

B. Hazardous Waste Spills
   New York State Department of Environmental Conservation **1-800-457-7362**
   New York City Health, **212-788-5099**
   Laurel Environmental Associates, Ltd.: Nights and Weekend Emergencies **516-971-6332**

LAUREL Environmental Associates, Ltd. • 53 West Hills Rd • Huntington, NY • 11743 • phone (631) 673-0612 • fax (631) 427-5323

C. Hospital



Driving directions to Long Island College Hospital of Brooklyn
(718) 780-1000

107 Union St
Brooklyn, NY 11231

1. Head **east** on **Union St** toward **Columbia St** — 0.1 mi
2. Take the 2nd left onto **Hicks St** — 0.5 mi

Long Island College Hospital of Brooklyn
339 Hicks Street
NY 11201
(718) 780-1000

9.0 HEAT STRESS CASUALTY PREVENTION PLAN

A. Identification and Treatment

1) **HEAT EXHAUSTION**

Symptoms: Usually begins with muscular weakness, dizziness and a staggering gait. Vomiting is frequent. The bowels may move involuntarily. The victim is very pale, his/her skin is clammy and he/she may perspire profusely. The pulse is weak and fast, breathing is shallow. He/she may faint unless he/she lies down. This may pass, but sometimes it remains and death could occur.

First Aid: Immediately remove the victim to a shady or cool area with good air circulation. Remove all protective outerwear. Call a physician. Treat the victim for shock. (Make him lie down, raise his feet 6-12 inches, and keep him warm but loosen all clothing). If the victim is conscious, it may be helpful to give him sips of a salt water solution (1 teaspoon of salt to 1 glass of water). Transport victim to a medical facility.

2) **HEAT STROKE**

Symptoms: This is the most serious of heat casualties due to the fact that the body excessively overheats. Body temperatures are often are between 107°-110°F. There is often pain in the head, dizziness, nausea, oppression, and a dryness of the skin and mouth. Unconsciousness follows quickly and death is imminent if exposure continues. The attack will usually occur suddenly.

First Aid: Immediately evacuate the victim to a cool and shady area. Remove all protective outer wear and all personal clothing. Lay him on his back with the head and shoulders slightly elevated. It is imperative that the body temperature be lowered immediately. This can be accomplished by applying cold wet towels, ice bags, etc., to the head. Sponge off the bare skin with cool water or rubbing alcohol, if available, or even place him in a tub of cool water. The main objective is to cool him without chilling him. Give no stimulants. Transport the victim to a medical facility as soon as possible.

B. **Prevention of Heat Stress**

1) One of the major causes of heat casualties is the depletion of body fluids. On-site there will be plenty of fluids available. Personnel should replace water and salts lost from perspiration. Salts can be replaced by either a 0.1% salt solution, more heavily salted foods, or commercial mixes such as Gatorade®.

2) A work schedule will be established so that the majority of the work day will be during the morning hours of the day before ambient air temperature levels reach their highs if high air temperatures are anticipated.

3) A work/rest guideline will be implemented for personnel required to wear Level B protection, if this situation arises. This guideline is as follows:

Ambient Temperatures	***Maximum Working Time***
Above 90°F	< 1 hour
80° - 90° F	1 hour
70 °- 80° F	2 hours
60 °- 70° F	3 hours
50 °- 60° F	4 hours
40° – 50°F	5 hours
30° - 40° F	6 hours
Below 30° F	8 hours

A sufficient period will be allowed for personnel to "cool down". This may require separate shifts of workers during operations.

LAUREL Environmental Associates, Ltd. • 53 West Hills Rd • Huntington, NY • 11743 • phone (631) 673-0612 • fax (631) 427-5323

LOG FOR ALL PERSONNEL ENTERING THE SUBJECT PROPERTY

SITE:

LOCATION:

The undersigned certify that they have read this Health and Safety Plan document, understand it, and will comply with its provisions.

Name (Please Print)	Affiliation	Date	Time
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

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RIR
APPENDIX C

Soil Boring Geological Logs

EEA, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING REPORT LOG

DATE: 01/21/11	SHEET 1 OF 2
CLIENT: Passiv House Xperimental LLC	LOCATION ID#
PROJECT LOCATION: 107 Union Street, Brooklyn, NY	**B-1**
REMARKS: Sample taken on southern portion of property near sidewalk.	PROJECT #10742

DRILLING CONTRACTOR: TSDT, INC.			LOGGED BY SM		DRILLER PR/WB	
EQUIPMENT	SOIL SAMPLER	HAMMER WEIGHT/FALL	Casing Type	Monitor Well Specification		DRILL RIG
						DRILL METHOD
TYPE	MACROCORE					GEOPROBE LT 54 MACROCORE
SIZE	2 inch O.D.					
SURFACE ELEVATION: NA		Surface Materials: grass, dirt				

WATER LEVEL (IN OPEN BOREHOLE): 7 feet

DEPTH (fbg)	SAMPLE	DEPTH	OVA (ppm)	MOISTURE	STRATA	SOIL – ROCK DESCRIPTION – CLASSIFICATION
0	S-1*	0' – 4'	0.0	Dry		0' – 4' Fill materials – fine silty tan sand with some asphalt and brick, No staining or odors
5	S-2	4' - 8'	0.0	Moist		4' - 6' Fill materials – fine silty tan sand with some asphalt and brick, No staining or odors 6' - 8' – fine sandy tan silt with trace fine gravel, No staining or odors, gw @ ~7 bgs
10	S-3*	8' – 12'	0.0	Wet		8'-12' – fine silty tan sand, No staining or odors End of Soil Boring @ 12 feet below grade. * soil samples collected for laboratory analysis. Note: groundwater (gw) sample also taken at this location
15						
20						
25						
30						

EEA, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING REPORT LOG

DATE: 01/21/11	SHEET 2 OF 2
CLIENT: Passiv House Xperimental LLC	LOCATION ID#
PROJECT LOCATION: 107 Union Street, Brooklyn, NY	**B-2**
REMARKS: Sample taken in middle of property lot.	PROJECT #10742

DRILLING CONTRACTOR: TSDT, INC.			LOGGED BY	SM	DRILLER	PR/WB
EQUIPMENT	SOIL SAMPLER	HAMMER WEIGHT/FALL	Casing Type	Monitor Well Specification		DRILL RIG
						DRILL METHOD
TYPE	MACROCORE					GEOPROBE LT 54 MACROCORE
SIZE	2 inch O.D.					
SURFACE ELEVATION: NA		Surface Materials: grass, dirt				

WATER LEVEL (IN OPEN BOREHOLE): NA

DEPTH (fbg)	SAMPLE	DEPTH	OVA (ppm)	MOISTURE	STRATA	SOIL – ROCK DESCRIPTION – CLASSIFICATION
0	S-1*	0' – 4'	0.0	Dry		0' – 4' Fill materials – fine silty tan sand with some asphalt and brick, No staining or odors
5	S-2	4' - 8'	0.0	Moist		4' - 6' Fill materials – fine silty tan sand with some asphalt and brick, No staining or odors 6' - 8' – fine sandy tan silt with trace fine gravel, No staining or odors, gw @ ~7 bgs
10	S-3*	8' – 12'	0.0	Wet		8'-12' – fine silty tan sand, No staining or odors End of Soil Boring @ 12 feet below grade. * soil samples collected for laboratory analysis
15						
20						
25						

RIR
APPENDIX D

Soil and Groundwater Analytical Results

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

EEA, Inc
55 Hilton Ave
Garden City NY, 11530
Attention: Sean Martin

Report Date: 01/31/2011
Client Project ID: 10742
York Project (SDG) No.: 11A0547

Report Date: 01/31/2011
Client Project ID: 10742
York Project (SDG) No.: 11A0547

EEA, Inc
55 Hilton Ave
Garden City NY, 11530
Attention: Sean Martin

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 January 21, 2011 and listed below. The project was identified as your project: **10742**.

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
11A0547-01	B-1 0-2'	Soil	01/21/2011	01/21/2011
11A0547-02	B-1 10-12'	Soil	01/21/2011	01/21/2011
11A0547-03	B-2 0-2'	Soil	01/21/2011	01/21/2011
11A0547-04	B-2 10-12'	Water	01/21/2011	01/21/2011
11A0547-05	B-1 GW	Water	01/21/2011	01/21/2011

General Notes for York Project (SDG) No.: 11A0547

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:** 01/31/2011

Robert Q. Bradley
Managing Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 0-2'

York Sample ID: 11A0547-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	1.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	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	01/24/2011 14:49	01/25/2011 15:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.92	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
95-63-6	**1,2,4-Trimethylbenzene**	**6.9**	J	ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.55	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
108-67-8	**1,3,5-Trimethylbenzene**	**3.3**	J	ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.87	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
67-66-3	Chloroform	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 0-2'

York Sample ID: 11A0547-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	2.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.87	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
100-41-4	**Ethyl Benzene**	**4.9**	J	ug/kg dry	0.87	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-09-2	**Methylene chloride**	**31**	B	ug/kg dry	2.6	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
91-20-3	**Naphthalene**	**11**	J	ug/kg dry	1.2	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.80	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
95-47-6	**o-Xylene**	**4.2**	J	ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
1330-20-7P/M	**p- & m- Xylenes**	**14**	J	ug/kg dry	1.4	23	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.62	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
108-88-3	**Toluene**	**2.9**	J	ug/kg dry	0.57	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS
1330-20-7	**Xylenes, Total**	**18**	J	ug/kg dry	2.6	35	2	EPA SW846-8260B	01/24/2011 14:49	01/25/2011 15:56	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 0-2' **York Sample ID:** 11A0547-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	105	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	83.9	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	91.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	65.8	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	83.9	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	91.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	58.5	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
91-57-6	**2-Methylnaphthalene**	**148**	J	ug/kg dry	66.8	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	48.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	69.5	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	80.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	20.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	75.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	55.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	63.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
83-32-9	**Acenaphthene**	**859**		ug/kg dry	111	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
208-96-8	**Acenaphthylene**	**113**	J	ug/kg dry	53.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
62-53-3	Aniline	ND		ug/kg dry	69.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
120-12-7	**Anthracene**	**1210**		ug/kg dry	47.5	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
56-55-3	**Benzo(a)anthracene**	**2300**		ug/kg dry	74.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
50-32-8	**Benzo(a)pyrene**	**1860**		ug/kg dry	50.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
205-99-2	**Benzo(b)fluoranthene**	**2380**		ug/kg dry	73.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
191-24-2	**Benzo(g,h,i)perylene**	**215**		ug/kg dry	57.6	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
207-08-9	**Benzo(k)fluoranthene**	**2070**		ug/kg dry	74.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	80.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	70.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	65.1	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	71.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	64.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
218-01-9	**Chrysene**	**2110**		ug/kg dry	77.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
53-70-3	**Dibenzo(a,h)anthracene**	**121**	J	ug/kg dry	48.5	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	61.9	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	101	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	55.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	57.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 0-2' **York Sample ID:** 11A0547-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals

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
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	86.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
206-44-0	**Fluoranthene**	**3300**		ug/kg dry	111	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
86-73-7	**Fluorene**	**769**		ug/kg dry	53.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	31.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	76.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	143	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	69.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**286**		ug/kg dry	70.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
78-59-1	Isophorone	ND		ug/kg dry	71.2	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
91-20-3	**Naphthalene**	**281**		ug/kg dry	57.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	86.3	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	69.4	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.0	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	111	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
85-01-8	**Phenanthrene**	**3010**		ug/kg dry	70.7	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
129-00-0	**Pyrene**	**3120**		ug/kg dry	68.8	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD
110-86-1	Pyridine	ND		ug/kg dry	74.9	192	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:09	TD

Pesticides/PCBs, EPA TCL 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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.69	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
72-55-9	**4,4'-DDE**	**6.61**		ug/kg dry	2.17	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
50-29-3	**4,4'-DDT**	**31.6**		ug/kg dry	1.70	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
309-00-2	Aldrin	ND		ug/kg dry	2.43	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.86	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.09	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	7.82	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	7.82	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.39	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.2	15.2	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.07	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 0-2'

York Sample ID: 11A0547-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL 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
60-57-1	Dieldrin	ND		ug/kg dry	2.24	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.84	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.32	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.94	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
72-20-8	Endrin	ND		ug/kg dry	2.30	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.55	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.67	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.63	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.03	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.67	3.80	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.79	19.0	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.82	19.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
8001-35-2	Toxaphene	ND		ug/kg dry		380	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 12:58	JW

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3800**		mg/kg dry	1.45	2.30	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-36-0	**Antimony**	**1.08**		mg/kg dry	0.161	0.345	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-38-2	**Arsenic**	**8.84**		mg/kg dry	0.219	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-39-3	**Barium**	**191**		mg/kg dry	0.276	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.115	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.150	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-70-2	**Calcium**	**15200**		mg/kg dry	0.050	2.30	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-47-3	**Chromium**	**10.4**		mg/kg dry	0.092	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-48-4	**Cobalt**	**4.95**		mg/kg dry	0.092	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-50-8	**Copper**	**55.8**		mg/kg dry	0.161	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7439-89-6	**Iron**	**11500**		mg/kg dry	0.633	1.15	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7439-92-1	**Lead**	**483**		mg/kg dry	0.115	0.345	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7439-95-4	**Magnesium**	**2090**		mg/kg dry	0.943	2.30	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7439-96-5	**Manganese**	**197**		mg/kg dry	0.092	1.15	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-02-0	**Nickel**	**12.5**		mg/kg dry	0.081	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-09-7	**Potassium**	**800**		mg/kg dry	3.13	11.5	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7782-49-2	**Selenium**	**4.12**		mg/kg dry	0.243	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-22-4	Silver	ND		mg/kg dry	0.104	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-23-5	**Sodium**	**329**		mg/kg dry	7.73	11.5	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 0-2' **York Sample ID:** 11A0547-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		mg/kg dry	0.219	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-62-2	**Vanadium**	**13.8**		mg/kg dry	0.092	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW
7440-66-6	**Zinc**	**207**		mg/kg dry	0.081	0.575	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:39	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.23**		mg/kg dry	0.112	0.115	1	EPA SW846-7471	01/24/2011 15:10	01/24/2011 15:10	AA

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**86.9**		%	0.100	0.100	1	SM 2540G	01/24/2011 16:29	01/24/2011 16:29	MZ

Sample Information

Client Sample ID: B-1 10-12' **York Sample ID:** 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 17:46	01/24/2011 17:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	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	01/24/2011 17:46	01/24/2011 17:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.94	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12' **York Sample ID:** 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.56	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
67-66-3	Chloroform	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.96	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-09-2	**Methylene chloride**	**19**	J, B	ug/kg dry	2.7	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.81	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12'

York Sample ID: 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	23	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.63	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
108-88-3	Toluene	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	35	2	EPA SW846-8260B	01/24/2011 17:46	01/24/2011 17:46	SS

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	107	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	85.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	93.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	67.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	85.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	93.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	59.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	68.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	49.3	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	71.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	81.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	77.3	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	56.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	65.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
83-32-9	Acenaphthene	ND		ug/kg dry	113	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	54.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
62-53-3	Aniline	ND		ug/kg dry	70.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12' **York Sample ID:** 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	**Anthracene**	**73.2**	J	ug/kg dry	48.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
56-55-3	**Benzo(a)anthracene**	**130**	J	ug/kg dry	75.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
50-32-8	**Benzo(a)pyrene**	**92.0**	J	ug/kg dry	51.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
205-99-2	**Benzo(b)fluoranthene**	**107**	J	ug/kg dry	74.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	58.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	75.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	81.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	72.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	66.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	72.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	65.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
218-01-9	**Chrysene**	**122**	J	ug/kg dry	78.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	63.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	103	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	56.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	58.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	88.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
206-44-0	**Fluoranthene**	**287**		ug/kg dry	113	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
86-73-7	Fluorene	ND		ug/kg dry	54.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	31.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	78.3	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	146	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	70.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	72.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
78-59-1	Isophorone	ND		ug/kg dry	72.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
91-20-3	Naphthalene	ND		ug/kg dry	58.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	88.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	70.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	51.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	113	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
85-01-8	**Phenanthrene**	**293**		ug/kg dry	72.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
129-00-0	**Pyrene**	**257**		ug/kg dry	70.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD
110-86-1	Pyridine	ND		ug/kg dry	76.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 05:40	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12'

York Sample ID: 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL 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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.73	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.22	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
309-00-2	Aldrin	ND		ug/kg dry	2.48	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.92	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.28	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	7.99	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	7.99	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.44	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.5	15.5	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.11	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.29	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.88	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.37	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.98	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
72-20-8	Endrin	ND		ug/kg dry	2.35	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.61	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.70	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.69	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.09	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.70	3.88	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.99	19.4	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.99	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
8001-35-2	Toxaphene	ND		ug/kg dry		388	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:13	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12' **York Sample ID:** 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4420**		mg/kg dry	1.48	2.35	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-36-0	Antimony	ND		mg/kg dry	0.164	0.352	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-38-2	**Arsenic**	**3.21**		mg/kg dry	0.223	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-39-3	**Barium**	**39.9**		mg/kg dry	0.282	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.117	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.153	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-70-2	**Calcium**	**689**		mg/kg dry	0.051	2.35	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-47-3	**Chromium**	**7.05**		mg/kg dry	0.094	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-48-4	**Cobalt**	**4.82**		mg/kg dry	0.094	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-50-8	**Copper**	**9.32**		mg/kg dry	0.164	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7439-89-6	**Iron**	**11600**		mg/kg dry	0.646	1.17	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7439-92-1	**Lead**	**6.29**		mg/kg dry	0.117	0.352	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7439-95-4	**Magnesium**	**1560**		mg/kg dry	0.963	2.35	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7439-96-5	**Manganese**	**140**		mg/kg dry	0.094	1.17	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-02-0	**Nickel**	**6.50**		mg/kg dry	0.082	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-09-7	**Potassium**	**562**		mg/kg dry	3.19	11.7	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7782-49-2	**Selenium**	**2.93**		mg/kg dry	0.248	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-22-4	Silver	ND		mg/kg dry	0.106	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-23-5	**Sodium**	**196**		mg/kg dry	7.89	11.7	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-28-0	Thallium	ND		mg/kg dry	0.223	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-62-2	**Vanadium**	**9.54**		mg/kg dry	0.094	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW
7440-66-6	**Zinc**	**25.2**		mg/kg dry	0.082	0.587	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:43	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.114	0.117	1	EPA SW846-7471	01/24/2011 15:10	01/24/2011 15:10	AA

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 10-12' **York Sample ID:** 11A0547-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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**	**85.2**		%	0.100	0.100	1	SM 2540G	01/24/2011 16:29	01/24/2011 16:29	MZ

Sample Information

Client Sample ID: B-2 0-2' **York Sample ID:** 11A0547-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 18:34	01/24/2011 18:34	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.97	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.0	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.5	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 0-2'

York Sample ID: 11A0547-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	1.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
67-66-3	Chloroform	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.0	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-09-2	**Methylene chloride**	**21**	J, B	ug/kg dry	2.8	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.84	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	24	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.65	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
108-88-3	**Toluene**	**2.0**	J	ug/kg dry	0.60	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 0-2' **York Sample ID:** 11A0547-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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	2.4	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	36	2	EPA SW846-8260B	01/24/2011 18:34	01/24/2011 18:34	SS

Semi-Volatiles, 8270 Base/Neutrals

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	110	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	88.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	96.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	69.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	88.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	96.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	61.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
91-57-6	**2-Methylnaphthalene**	**74.3**	J	ug/kg dry	70.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	50.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	73.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	84.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	79.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	58.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	67.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
83-32-9	**Acenaphthene**	**342**		ug/kg dry	117	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
208-96-8	**Acenaphthylene**	**215**		ug/kg dry	56.5	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
62-53-3	Aniline	ND		ug/kg dry	72.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
120-12-7	**Anthracene**	**777**		ug/kg dry	50.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
56-55-3	**Benzo(a)anthracene**	**2650**		ug/kg dry	78.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
50-32-8	**Benzo(a)pyrene**	**2340**		ug/kg dry	52.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
205-99-2	**Benzo(b)fluoranthene**	**2480**		ug/kg dry	76.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
191-24-2	**Benzo(g,h,i)perylene**	**268**		ug/kg dry	60.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
207-08-9	**Benzo(k)fluoranthene**	**2210**		ug/kg dry	78.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	84.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	74.4	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	68.5	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	75.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	67.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 0-2'

York Sample ID: 11A0547-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals

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
218-01-9	**Chrysene**	**2510**		ug/kg dry	81.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	51.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	65.1	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	106	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	58.2	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	60.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	90.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
206-44-0	**Fluoranthene**	**2390**		ug/kg dry	117	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
86-73-7	**Fluorene**	**370**		ug/kg dry	56.5	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	32.9	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	80.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	150	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	72.6	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**339**		ug/kg dry	74.4	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
78-59-1	Isophorone	ND		ug/kg dry	75.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
91-20-3	**Naphthalene**	**65.8**	J	ug/kg dry	60.3	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	90.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	73.0	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	52.7	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	117	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
85-01-8	**Phenanthrene**	**2540**		ug/kg dry	74.5	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
129-00-0	**Pyrene**	**3600**		ug/kg dry	72.4	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD
110-86-1	Pyridine	ND		ug/kg dry	78.8	202	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:12	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 0-2' **York Sample ID:** 11A0547-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL 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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.78	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
72-55-9	**4,4'-DDE**	**8.89**		ug/kg dry	2.29	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
50-29-3	**4,4'-DDT**	**25.6**		ug/kg dry	1.79	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
309-00-2	Aldrin	ND		ug/kg dry	2.55	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
319-84-6	alpha-BHC	ND		ug/kg dry	3.01	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.56	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	8.23	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	8.23	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.52	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
57-74-9	**Chlordane, total**	**51.3**		ug/kg dry	16.0	16.0	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.18	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.36	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.94	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.45	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.05	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
72-20-8	Endrin	ND		ug/kg dry	2.42	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.69	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.77	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.18	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	4.00	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.3	20.0	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.23	20.6	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
8001-35-2	Toxaphene	ND		ug/kg dry		400	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:28	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 0-2'

York Sample ID: 11A0547-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**2650**		mg/kg dry	1.53	2.42	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-36-0	**Antimony**	**1.52**		mg/kg dry	0.170	0.363	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-38-2	**Arsenic**	**9.69**		mg/kg dry	0.230	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-39-3	**Barium**	**130**		mg/kg dry	0.291	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.010	0.121	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.157	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-70-2	**Calcium**	**22600**		mg/kg dry	0.053	2.42	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-47-3	**Chromium**	**7.15**		mg/kg dry	0.097	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-48-4	**Cobalt**	**2.92**		mg/kg dry	0.097	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-50-8	**Copper**	**41.6**		mg/kg dry	0.170	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7439-89-6	**Iron**	**13600**		mg/kg dry	0.666	1.21	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7439-92-1	**Lead**	**342**		mg/kg dry	0.121	0.363	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7439-95-4	**Magnesium**	**1250**		mg/kg dry	0.993	2.42	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7439-96-5	**Manganese**	**108**		mg/kg dry	0.097	1.21	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-02-0	**Nickel**	**4.52**		mg/kg dry	0.085	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-09-7	**Potassium**	**540**		mg/kg dry	3.29	12.1	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7782-49-2	**Selenium**	**4.19**		mg/kg dry	0.255	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-22-4	Silver	ND		mg/kg dry	0.109	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-23-5	**Sodium**	**335**		mg/kg dry	8.14	12.1	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-28-0	Thallium	ND		mg/kg dry	0.230	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-62-2	**Vanadium**	**7.54**		mg/kg dry	0.097	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW
7440-66-6	**Zinc**	**203**		mg/kg dry	0.085	0.605	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:47	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.460**		mg/kg dry	0.117	0.121	1	EPA SW846-7471	01/24/2011 15:10	01/24/2011 15:10	AA

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 0-2' **York Sample ID:** 11A0547-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Soil	January 21, 2011 12:00 am	01/21/2011

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**	**82.6**		%	0.100	0.100	1	SM 2540G	01/24/2011 16:29	01/24/2011 16:29	MZ

Sample Information

Client Sample ID: B-2 10-12' **York Sample ID:** 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 19:21	01/24/2011 19:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	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	01/24/2011 19:21	01/24/2011 19:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.94	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.56	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 10-12' **York Sample ID:** 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 19:21	01/24/2011 19:21	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
67-66-3	Chloroform	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
75-09-2	**Methylene chloride**	**20**	J, B	ug/kg dry	2.7	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.81	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	24	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.64	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
108-88-3	Toluene	ND		ug/kg dry	0.59	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 10-12' **York Sample ID:** 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

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	01/24/2011 19:21	01/24/2011 19:21	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	35	2	EPA SW846-8260B	01/24/2011 19:21	01/24/2011 19:21	SS

Semi-Volatiles, 8270 Base/Neutrals

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	107	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	85.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	93.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	67.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	85.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	93.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	60.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	68.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	49.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	71.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	81.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	77.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	56.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	65.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
83-32-9	Acenaphthene	ND		ug/kg dry	114	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	55.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
62-53-3	Aniline	ND		ug/kg dry	70.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
120-12-7	**Anthracene**	**58.9**	J	ug/kg dry	48.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
56-55-3	**Benzo(a)anthracene**	**162**	J	ug/kg dry	76.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
50-32-8	**Benzo(a)pyrene**	**141**	J	ug/kg dry	51.2	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
205-99-2	**Benzo(b)fluoranthene**	**124**	J	ug/kg dry	74.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	59.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
207-08-9	**Benzo(k)fluoranthene**	**151**	J	ug/kg dry	76.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	81.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	72.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	66.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	72.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
117-81-7	**Bis(2-ethylhexyl)phthalate**	**78.9**	J	ug/kg dry	65.8	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 10-12' **York Sample ID:** 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals **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
218-01-9	**Chrysene**	**156**	J	ug/kg dry	79.1	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	63.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	103	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	56.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	58.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	88.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
206-44-0	**Fluoranthene**	**273**		ug/kg dry	114	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
86-73-7	Fluorene	ND		ug/kg dry	55.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	32.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	78.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	146	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	70.6	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	72.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
78-59-1	Isophorone	ND		ug/kg dry	72.9	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
91-20-3	Naphthalene	ND		ug/kg dry	58.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	88.4	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	71.0	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	51.3	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	114	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
85-01-8	**Phenanthrene**	**200**		ug/kg dry	72.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
129-00-0	**Pyrene**	**277**		ug/kg dry	70.5	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD
110-86-1	Pyridine	ND		ug/kg dry	76.7	196	1	EPA SW-846 8270C	01/27/2011 14:43	01/29/2011 06:43	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 10-12' **York Sample ID:** 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL 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
72-54-8	4,4'-DDD	ND		ug/kg dry	1.73	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.23	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
309-00-2	Aldrin	ND		ug/kg dry	2.49	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.93	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.31	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	8.01	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	8.01	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.45	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.6	15.6	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.12	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.30	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.89	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.38	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.99	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
72-20-8	Endrin	ND		ug/kg dry	2.36	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.62	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.71	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.70	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.10	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.71	3.89	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.0	19.4	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.01	20.0	1	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 00:00	JW
8001-35-2	Toxaphene	ND		ug/kg dry		389	10	EPA SW 846-8081/8082	01/26/2011 00:00	01/26/2011 13:43	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 10-12' **York Sample ID:** 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4150**		mg/kg dry	1.48	2.36	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-36-0	Antimony	ND		mg/kg dry	0.165	0.353	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-38-2	**Arsenic**	**4.19**		mg/kg dry	0.224	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-39-3	**Barium**	**22.1**		mg/kg dry	0.283	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.118	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.153	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-70-2	**Calcium**	**538**		mg/kg dry	0.051	2.36	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-47-3	**Chromium**	**6.78**		mg/kg dry	0.094	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-48-4	**Cobalt**	**4.96**		mg/kg dry	0.094	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-50-8	**Copper**	**6.13**		mg/kg dry	0.165	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7439-89-6	**Iron**	**11200**		mg/kg dry	0.648	1.18	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7439-92-1	**Lead**	**4.94**		mg/kg dry	0.118	0.353	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7439-95-4	**Magnesium**	**1100**		mg/kg dry	0.966	2.36	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7439-96-5	**Manganese**	**114**		mg/kg dry	0.094	1.18	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-02-0	**Nickel**	**6.82**		mg/kg dry	0.082	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-09-7	**Potassium**	**489**		mg/kg dry	3.20	11.8	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7782-49-2	**Selenium**	**2.86**		mg/kg dry	0.249	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-22-4	Silver	ND		mg/kg dry	0.106	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-23-5	**Sodium**	**206**		mg/kg dry	7.92	11.8	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-28-0	Thallium	ND		mg/kg dry	0.224	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-62-2	**Vanadium**	**12.0**		mg/kg dry	0.094	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW
7440-66-6	**Zinc**	**24.4**		mg/kg dry	0.082	0.589	1	EPA SW846-6010B	01/24/2011 15:30	01/24/2011 20:52	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.114	0.118	1	EPA SW846-7471	01/24/2011 15:10	01/24/2011 15:10	AA

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ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-2 10-12' **York Sample ID:** 11A0547-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

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**	**84.9**		%	0.100	0.100	1	SM 2540G	01/24/2011 16:29	01/24/2011 16:29	MZ

Sample Information

Client Sample ID: B-1 GW **York Sample ID:** 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW **York Sample ID:** 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-09-2	**Methylene chloride**	**2.5**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
91-20-3	Naphthalene	ND		ug/L	0.50	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW

York Sample ID: 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	01/24/2011 15:21	01/25/2011 05:53	SS

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.46	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.82	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.05	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.90	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
91-58-7	2-Chloronaphthalene	ND		ug/L	3.88	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
91-57-6	2-Methylnaphthalene	ND		ug/L	3.42	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
88-74-4	2-Nitroaniline	ND		ug/L	3.34	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	3.90	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
99-09-2	3-Nitroaniline	ND		ug/L	1.77	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.83	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
106-47-8	4-Chloroaniline	ND		ug/L	4.16	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.47	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
100-02-7	4-Nitroaniline	ND		ug/L	4.19	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
83-32-9	Acenaphthene	ND		ug/L	3.60	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
208-96-8	Acenaphthylene	ND		ug/L	4.75	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
62-53-3	Aniline	ND		ug/L	2.18	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
120-12-7	Anthracene	ND		ug/L	4.07	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	4.52	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	5.39	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.84	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	5.39	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	4.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW

York Sample ID: 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	2.86	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
218-01-9	Chrysene	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.44	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
132-64-9	Dibenzofuran	ND		ug/L	3.22	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
84-66-2	Diethyl phthalate	ND		ug/L	2.44	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
131-11-3	Dimethyl phthalate	ND		ug/L	5.39	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
84-74-2	Di-n-butyl phthalate	ND		ug/L	4.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
117-84-0	Di-n-octyl phthalate	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
206-44-0	Fluoranthene	ND		ug/L	1.77	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
86-73-7	Fluorene	ND		ug/L	3.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
118-74-1	Hexachlorobenzene	ND		ug/L	3.28	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
87-68-3	Hexachlorobutadiene	ND		ug/L	3.68	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.83	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
67-72-1	Hexachloroethane	ND		ug/L	4.03	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	3.05	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
78-59-1	Isophorone	ND		ug/L	3.58	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
91-20-3	Naphthalene	ND		ug/L	4.29	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
98-95-3	Nitrobenzene	ND		ug/L	2.18	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	3.45	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	4.02	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
85-01-8	Phenanthrene	ND		ug/L	4.01	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
129-00-0	Pyrene	ND		ug/L	2.63	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD
110-86-1	Pyridine	ND		ug/L	3.54	5.56	1	EPA SW-846 8270C	01/25/2011 08:54	01/26/2011 11:36	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW **York Sample ID:** 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Pesticides/PCBs, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00109	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00114	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
50-29-3	4,4'-DDT	ND		ug/L	0.000960	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
309-00-2	Aldrin	ND		ug/L	0.000994	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
319-84-6	alpha-BHC	ND		ug/L	0.00110	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
12674-11-2	Aroclor 1016	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0482	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0482	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
319-85-7	beta-BHC	ND		ug/L	0.000903	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
57-74-9	Chlordane, total	ND		ug/L	0.00457	0.00457	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
319-86-8	delta-BHC	ND		ug/L	0.00110	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
60-57-1	Dieldrin	ND		ug/L	0.000811	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
959-98-8	Endosulfan I	ND		ug/L	0.000903	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
33213-65-9	Endosulfan II	ND		ug/L	0.000960	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00109	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
72-20-8	Endrin	ND		ug/L	0.00107	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.000777	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
53494-70-5	Endrin ketone	ND		ug/L	0.00104	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00110	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
76-44-8	Heptachlor	ND		ug/L	0.00109	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.000857	0.00114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
72-43-5	Methoxychlor	ND		ug/L	0.00224	0.00571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
1336-36-3	Total PCBs	ND		ug/L	0.0415	0.0571	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW
8001-35-2	Toxaphene	ND		ug/L	0.114	0.114	1	EPA SW 846-8081/8082	01/27/2011 09:45	01/27/2011 14:06	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW **York Sample ID:** 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.007	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-39-3	**Barium**	**0.061**		mg/L	0.004	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-70-2	**Calcium**	**124**		mg/L	0.009	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-48-4	Cobalt	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7439-89-6	**Iron**	**0.036**		mg/L	0.006	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7439-92-1	Lead	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7439-95-4	**Magnesium**	**9.79**		mg/L	0.008	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7439-96-5	**Manganese**	**0.152**		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-02-0	Nickel	ND		mg/L	0.0008	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-09-7	**Potassium**	**26.4**		mg/L	0.026	0.050	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7782-49-2	**Selenium**	**0.024**		mg/L	0.002	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-23-5	**Sodium**	**16.6**		mg/L	0.066	0.100	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 18:56	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**39.0**		mg/L	0.007	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-38-2	**Arsenic**	**0.042**		mg/L	0.001	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-39-3	**Barium**	**1.02**		mg/L	0.004	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-41-7	**Beryllium**	**0.004**		mg/L	0.0009	0.001	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-70-2	**Calcium**	**150**		mg/L	0.009	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-47-3	**Chromium**	**0.091**		mg/L	0.0009	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-48-4	**Cobalt**	**0.076**		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-50-8	**Copper**	**0.169**		mg/L	0.002	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: B-1 GW **York Sample ID:** 11A0547-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11A0547	10742	Water	January 21, 2011 12:00 am	01/21/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**77.4**		mg/L	0.006	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7439-92-1	**Lead**	**0.446**		mg/L	0.001	0.003	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7439-95-4	**Magnesium**	**19.6**		mg/L	0.008	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7439-96-5	**Manganese**	**3.51**		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-02-0	**Nickel**	**0.077**		mg/L	0.0008	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-09-7	**Potassium**	**32.5**		mg/L	0.026	0.050	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7782-49-2	**Selenium**	**0.035**		mg/L	0.002	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-23-5	**Sodium**	**16.6**		mg/L	0.066	0.100	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-62-2	**Vanadium**	**0.155**		mg/L	0.001	0.010	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW
7440-66-6	**Zinc**	**0.346**		mg/L	0.0009	0.020	1	EPA SW846-6010B	01/24/2011 15:22	01/24/2011 19:01	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	01/24/2011 15:15	01/24/2011 15:15	AA

Mercury, Dissolved

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	01/24/2011 15:13	01/24/2011 15:13	AA

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank.

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:

RIR
APPENDIX E

Soil Vapor Analytical Results

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Laurel Environmental
53 West Hills Road, Suite 1
Huntington Station NY, 11746
Attention: Scott Yanuck

Report Date: 03/16/2012
Client Project ID: 107 Union St Brooklyn NY 12-152-2
York Project (SDG) No.: 12C0310

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854 PA License No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 03/16/2012
Client Project ID: 107 Union St Brooklyn NY 12-152-2
York Project (SDG) No.: 12C0310

Laurel Environmental
53 West Hills Road, Suite 1
Huntington Station NY, 11746
Attention: Scott Yanuck

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 09, 2012 and listed below. The project was identified as your project: **107 Union St Brooklyn NY 12-152-2**.

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
12C0310-01	Y60	Soil Vapor	03/08/2012	03/09/2012
12C0310-02	Y59	Soil Vapor	03/08/2012	03/09/2012

General Notes for York Project (SDG) No.: 12C0310

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:** 03/16/2012

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Y60** **York Sample ID:** **12C0310-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C0310	107 Union St Brooklyn NY 12-152-2	Soil Vapor	March 8, 2012 3:00 pm	03/09/2012

Volatile Organics, EPA TO15 Full List

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

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	2.1	11	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	3.4	14	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.1	16	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	2.9	11	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.0	8.5	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.2	8.3	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	3.4	16	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	1.2	51	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	3.1	13	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	2.0	8.5	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	2.1	9.7	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.5	15	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.3	21	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
106-99-0	1,3-Butadiene	ND		ug/m³	1.4	9.1	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	2.3	13	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	2.8	13	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
123-91-1	1,4-Dioxane	ND		ug/m³	6.8	75	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
540-84-1	**2,2,4-Trimethylpentane**	**13**		ug/m³	1.2	9.8	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
78-93-3	**2-Butanone**	**310**		ug/m³	2.5	6.2	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
591-78-6	2-Hexanone	ND		ug/m³	4.7	17	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
107-05-1	3-Chloropropene	ND		ug/m³	1.2	65	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	3.1	8.6	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
67-64-1	**Acetone**	**240**		ug/m³	1.5	5.0	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
71-43-2	**Benzene**	**11**		ug/m³	1.0	6.7	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
100-44-7	Benzyl chloride	ND		ug/m³	1.3	11	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
75-27-4	Bromodichloromethane	ND		ug/m³	3.1	13	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
75-25-2	Bromoform	ND		ug/m³	3.9	22	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
74-83-9	Bromomethane	ND		ug/m³	0.97	8.1	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
75-15-0	Carbon disulfide	ND		ug/m³	0.78	6.5	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	1.6	6.6	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
108-90-7	Chlorobenzene	ND		ug/m³	1.7	9.6	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
75-00-3	Chloroethane	ND		ug/m³	0.66	5.5	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
67-66-3	Chloroform	ND		ug/m³	1.5	10	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
74-87-3	Chloromethane	ND		ug/m³	1.3	4.3	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Y60** **York Sample ID:** **12C0310-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C0310	107 Union St Brooklyn NY 12-152-2	Soil Vapor	March 8, 2012 3:00 pm	03/09/2012

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.4	8.3	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.4	9.5	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
110-82-7	Cyclohexane	ND		ug/m³	0.86	7.2	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	2.6	10	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
141-78-6	Ethyl acetate	ND		ug/m³	1.9	7.5	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
100-41-4	**Ethyl Benzene**	**15**		ug/m³	1.6	9.1	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	4.0	22	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
67-63-0	Isopropanol	ND		ug/m³	1.8	5.1	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.90	7.5	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
75-09-2	**Methylene chloride**	**26**	B	ug/m³	1.7	7.3	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
142-82-5	**n-Heptane**	**16**		ug/m³	1.0	8.6	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
110-54-3	**n-Hexane**	**48**		ug/m³	0.88	7.4	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
95-47-6	**o-Xylene**	**24**		ug/m³	1.6	9.1	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
1330-20-7P/M	**p- & m- Xylenes**	**42**		ug/m³	3.1	9.1	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	1.9	51	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
115-07-01	Propylene	ND		ug/m³	1.7	3.6	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
100-42-5	Styrene	ND		ug/m³	1.6	8.9	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	1.7	14	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
109-99-9	**Tetrahydrofuran**	**140**		ug/m³	1.5	6.2	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
108-88-3	**Toluene**	**59**		ug/m³	1.9	7.9	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	1.0	8.3	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.7	9.5	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
79-01-6	Trichloroethylene	ND		ug/m³	1.3	5.6	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**26**		ug/m³	0.71	12	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
108-05-4	Vinyl acetate	ND		ug/m³	1.1	15	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
593-60-2	Vinyl bromide	ND		ug/m³	1.4	9.2	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD
75-01-4	Vinyl Chloride	ND		ug/m³	1.3	11	20.57	EPA TO-15	03/15/2012 09:00	03/16/2012 14:39	TD

Sample Information

Client Sample ID: **Y59** **York Sample ID:** **12C0310-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C0310	107 Union St Brooklyn NY 12-152-2	Soil Vapor	March 8, 2012 3:00 pm	03/09/2012

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: Y59 **York Sample ID:** 12C0310-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C0310	107 Union St Brooklyn NY 12-152-2	Soil Vapor	March 8, 2012 3:00 pm	03/09/2012

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	2.0	11	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	3.4	14	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.1	16	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	2.8	11	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.0	8.3	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.2	8.2	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	3.4	15	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	1.2	51	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	3.1	12	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	2.0	8.3	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	2.1	9.5	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.4	14	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.3	20	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
106-99-0	1,3-Butadiene	ND		ug/m³	1.3	8.9	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	2.2	12	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	2.7	12	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
123-91-1	1,4-Dioxane	ND		ug/m³	6.7	74	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
540-84-1	**2,2,4-Trimethylpentane**	**12**		ug/m³	1.2	9.6	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
78-93-3	**2-Butanone**	**44**		ug/m³	2.4	6.1	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
591-78-6	2-Hexanone	ND		ug/m³	4.6	17	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
107-05-1	3-Chloropropene	ND		ug/m³	1.2	64	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	3.0	8.4	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
67-64-1	**Acetone**	**70**		ug/m³	1.5	4.9	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
71-43-2	**Benzene**	**9.2**		ug/m³	0.99	6.6	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
100-44-7	Benzyl chloride	ND		ug/m³	1.3	11	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
75-27-4	Bromodichloromethane	ND		ug/m³	3.1	13	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
75-25-2	Bromoform	ND		ug/m³	3.8	21	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
74-83-9	Bromomethane	ND		ug/m³	0.96	8.0	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
75-15-0	Carbon disulfide	ND		ug/m³	0.77	6.4	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	1.6	6.5	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
108-90-7	Chlorobenzene	ND		ug/m³	1.7	9.5	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
75-00-3	Chloroethane	ND		ug/m³	0.65	5.4	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
67-66-3	Chloroform	ND		ug/m³	1.5	10	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
74-87-3	Chloromethane	ND		ug/m³	1.3	4.3	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.4	8.2	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Y59** **York Sample ID:** **12C0310-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12C0310	107 Union St Brooklyn NY 12-152-2	Soil Vapor	March 8, 2012 3:00 pm	03/09/2012

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.3	9.3	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
110-82-7	Cyclohexane	ND		ug/m³	0.85	7.1	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	2.5	10	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
141-78-6	Ethyl acetate	ND		ug/m³	1.9	7.4	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
100-41-4	**Ethyl Benzene**	**13**		ug/m³	1.6	8.9	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	4.0	22	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
67-63-0	**Isopropanol**	**140**		ug/m³	1.8	5.1	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.89	7.4	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
75-09-2	**Methylene chloride**	**26**	B	ug/m³	1.7	7.2	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
142-82-5	**n-Heptane**	**16**		ug/m³	1.0	8.4	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
110-54-3	**n-Hexane**	**72**		ug/m³	0.87	7.3	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
95-47-6	**o-Xylene**	**21**		ug/m³	1.6	8.9	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
1330-20-7P/M	**p- & m- Xylenes**	**38**		ug/m³	3.0	8.9	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	1.8	51	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
115-07-01	Propylene	ND		ug/m³	1.6	3.5	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
100-42-5	Styrene	ND		ug/m³	1.6	8.8	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	1.7	14	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
109-99-9	**Tetrahydrofuran**	**72**		ug/m³	1.5	6.1	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
108-88-3	**Toluene**	**40**		ug/m³	1.9	7.8	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.98	8.2	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.7	9.3	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
79-01-6	Trichloroethylene	ND		ug/m³	1.3	5.5	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**15**		ug/m³	0.69	12	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
108-05-4	Vinyl acetate	ND		ug/m³	1.1	14	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
593-60-2	Vinyl bromide	ND		ug/m³	1.4	9.0	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD
75-01-4	Vinyl Chloride	ND		ug/m³	1.3	11	20.24	EPA TO-15	03/15/2012 09:00	03/16/2012 15:41	TD

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

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.

B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

Corrective Action:

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

Field Chain-of-Custody Record - AIR

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

York Project No. 12C0310

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: Laurel Environmental	Company: Scott	Company: Kathy	107 Union St Brooklyn NY. 12-152.2	RUSH - Same Day ☐	Summary Report ___
Address: 53 West Hills Rd Huntington Sta.	Address: Same	Address: Same	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 ☐	NY ASP A Package ___
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT___ NY___ NJ___	RUSH - Four Day ☐	NY ASP B/CLP Pkg ___
				Standard(5-7 Days) ☑	NJDEP Reduced ___
					Electronic Deliverables:
					EDD (Specify Type) ___
					Standard Excel ___
					Regulatory Comparison Excel ___

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

Samples Collected/Authorized By (Signature)

Steven Bitetto
Name (printed)

Air Matrix Codes

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

TO15 Volatiles and Other Gas Analyses

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

Detection Limits Required

≤ 1 ug/m³ ___
NYSDEC VI Limits___ (VI = vapor intrusion)
NJDEP low level ___
Routine Survey ___
Other___

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum Afer Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
Y60	3/8/12	AS	-30 Hg	5 Hg	TO-15	6 Liter Summa canister ✓ Tedlar Bag___
Y59	↓ ↓ ↓	AS	-30 Hg	6 Hg	TO-15	6 Liter Summa canister ✓ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___

Comments

[signature]	3-9-12 11AM
Samples Relinquished By	Date/Time
Samples Relinquished By	Date/Time
K Barber	3-9-12 11AM
Samples Received By	Date/Time
[signature]	3/9/12-1630
Samples Received in LAB by	Date/Time

RIR
APPENDIX F

Soil Vapor Logs

SOIL VAPOR
FIELD NOTES

Canister ID	Maximum PID Reading PPM	PID Purge/Sample Time On	PID Purge/Sample Time Off	Helium Vacuum On	Helium Time On	Max Helium Reading PPM
Y60	0.0	8:37:00 AM	8:39:00 AM	(-30 Hg)	8:40:00 AM	5.0
Y59	0.0	9:12:00 AM	9:14:00 AM	(-30 Hg)	9:15:00 AM	6.0

All work was conducted on March 8th, 2012

Helium Time Off
9:39:00 AM
10:14:00 AM