321-325 WEST 35TH STREET

MANHATTAN, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 13CVCP123M

NYC E-Designation Site Number: 13EH-N313M

Prepared for:

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Landmark Realty LLC and Run 178th LLC

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June 7, 2013

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

CERTIFICATION

I, Paul P. Stewart, 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 321-325 West 35th Street Site (NYC VCP Site No. 13CVCP123M). 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.

Paul Stewart	6/7/13	
Qualified Environmental Professional	Date	Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The Site is located at 321-325 West 35th Street in the Fashion District section of Manhattan, New York and is identified as Block 759 and Lots 26 and 27 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 5,281-square feet in area and is bounded by a 2-story parking garage to the north, 35th Street followed by a 9-story commercial building to the south, a 5-story residential apartment building with commercial units on the ground floor to the east, and a 5-story residential apartment building to the west. A map of the site boundary is shown in Figure 2. Currently, the Site contains two buildings: a vacant 2-story commercial building and a 1-story parking garage.

Summary of Proposed Redevelopment Plan

The proposed use of the Site will consist of a 25-story hotel. Layout of the proposed site development is presented in Figure 2. The current zoning designation is C6-4M.

The proposed building for 321-325 West 35th Street is a 150-key franchise hotel. The ground floor and cellar will have hotel lobby, guest amenities and hotel back of house. The hotel guest floors will be placed from level 2F to 24F. There will be one mechanical floor at the roof. The total number of levels will be 25 not including the cellar. The building will be constructed to a height of 250 feet and be 73,128 gross square feet in area (not including roofs). The expected completion date is June 30, 2014.

Summary of Past Uses of Site and Areas of Concern

A *Phase I Environmental Site Assessment* prepared by Merritt Environmental Consulting Corp. indicates previous usage of the property from 1890 to 2005. The Phase I indicates that the property consisted of sub-divided lots in the 1890 to 1899 Sanborn Fire Insurance maps. The property consisted of stores and dwellings in the 1911 to 1930 maps. The property at 321-323

West 35th Street contained a Freight Depot in the 1950 map and a commercial warehouse building in the 1968 to 2005 maps. The property at 325 West 35th Street contained a commercial building in the 1950 to 2005 maps. No areas of concern were identified at the property in the Phase I Environmental Site Assessment.

A Phase II Investigation Report was prepared by Hydro Tech Environmental Corp. for Landmark Realty LLC and Run 178th LLC dated November 15, 2012. During the investigation soil/fill samples collected showed that no VOCs were identified at the Site except for Acetone, which was found above Unrestricted Use SCOs in the shallow soil sample from the building located on Lot 27. No SVOCs, PCBs or Pesticides were detected above SCOs in any of the soil samples. No metals were found above SCOs in any of the soil samples, except for Lead and Zinc in the shallow soil sample from the building on Lot 27 which were identified above Unrestricted Use and Restricted Use SCOs, respectively. No areas of concern were identified during this investigation.

Summary of the Work Performed under the Remedial Investigation

Advanced Cleanup Technologies performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed three soil borings across the entire project Site, and collected six soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed two temporary groundwater monitoring wells throughout the Site, accessed an existing groundwater monitoring well to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed three soil vapor probes around Site perimeter and collected three samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from 39 to 40 feet above mean sea level.
2. Depth to groundwater ranges from 14.05 to 14.11 feet at the Site.
3. Groundwater flow is generally from east to west beneath the Site.

4. Depth to bedrock ranges from approximately 26 to 31 feet at the Site.

5. The stratigraphy of the Site, from the surface down, generally consists of 12 feet of fill material underlain by 3 feet of orange to brown fine to medium sand.

6. Soil samples collected during this RI showed that SVOCs and PCBs were not detected in any soil sample. VOCs were not detected except for low levels of acetone in all samples and all concentrations well below Unrestricted Use Soil Cleanup Objectives (SCOs). Metals including chromium (30.9 Kg/mg or ppm), lead (max of 1570 ppm), mercury (maximum of 1.04 ppm) and zinc (maximum of 468 ppm) exceeded Unrestricted Use SCOs, and of these, lead and mercury also exceeded Restricted Residential SCOs. Pesticides including 4,4,DDD (46 ppb); 4,4, DDE (200 ppb); and 4,4,DDT (480 ppb) were detected in one shallow soil at concentrations exceeding Unrestricted Use SCOs. These pesticides concentrations were well below Restricted Residential SCOs.

7. Groundwater samples collected during the RI showed three VOCs including ethylbenzene (11 ppb), isopropylbenzene (17 ppb) and xylenes (54 ppb) were detected above Groundwater Quality Standards (GQS) in one well.SVOCs, pesticides and PCBs were not detected in any of the groundwater samples. Metals including manganese, selineum and sodium were detected above GQS.

8. Several petroleum related and chlorinated VOCs were detected in soil vapor samples collected during the RI. Most concentrations were below 10 ug/m^3 except for acetone (38 ug/m^3), chloroform (65 ug/m^3), heptane (10 ug/m^3) and hexane 10 ug/m^3). PCE was detected in all vapor samples to a maximum concentrations of 16 ug/m^3. TCE was detected in one sample at 2 ug/m^3. TCA and carbon tetrachloride were not detected. These results indicate that none of the compounds detected in sub-slab vapor required further action, according to the NYS DOH Final Guidance on Soil Vapor Intrusion (October 2006).

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Landmark Realty LLC and Run 178th LLC have enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 5,281 square foot site located at 321-325 West 35th Street in the Fashion District section of Manhattan, New York. Commercial use is proposed for the property. The RI work was performed between February 20, 2013 and March 4, 2013. 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 321-325 West 35th Street in the Fashion District section of Manhattan, New York and is identified as Block 759 and Lots 26 and 27 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 5,281-square feet in area and is bounded by a 2-story parking garage to the north, 35th Street followed by a 9-story commercial building to the south, a 5-story residential apartment building with commercial units on the ground floor to the east, and a 5-story residential apartment building to the west. A map of the site boundary is shown in Figure 2. Currently, the Site contains two buildings, a vacant 2-story commercial building and a 1-story parking garage.

1.2 Proposed Redevelopment Plan

The proposed use of the Site will consist of a 25-story hotel. Layout of the proposed site development is presented in Figure 3. The current zoning designation is C6-4M.

The proposed building for 321-325 West 35th Street is a 150-key franchise hotel. The ground floor and cellar will have hotel lobby, guest amenities and hotel back of house. The hotel guest floors will be placed from level 2F to 24F. There will be one mechanical floor at the roof. The total number of levels will be 25 not including the cellar. The building will be constructed to a height of 250 feet and be 73,128 gross square feet (not including roofs). The expected completion date is June 30, 2014.

1.3 Description of Surrounding Property

The Site is located in a commercial and residential area in the central portion of the borough of Manhattan in New York City. The Site is zoned in a C6-4M district, within the Special Garment Center District. In addition, the Site was given an "E" designation, E-137, by the NYC Department of Buildings on January 19, 2005 as part of the Hudson Yards Rezoning action (CEQR number 03DCP031M).

The Site is bounded by a 2-story parking garage to the north, 35th Street followed by a 9-story commercial building to the south, a 5-story residential apartment building with commercial units on the ground floor to the east and a 5-story residential apartment building to the west.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

A *Phase I Environmental Site Assessment* prepared by Merritt Environmental Consulting Corp. indicates previous usage of the property from 1890 to 2005. The Phase I indicates that the property consisted of sub-divided lots in the 1890 to 1899 Sanborn Fire Insurance maps. The property consisted of stores and dwellings in the 1911 to 1930 maps. The property at 321-323 West 35th Street contained a Freight Depot in the 1950 map and a commercial warehouse building in the 1968 to 2005 maps. The property at 325 West 35th Street contained a commercial building in the 1950 to 2005 maps.

2.2 Previous Investigations

A Phase I Environmental Site Assessment was prepared by Merritt Environmental Consulting Corp. for Raber Enterprises, LLC dated October 18, 2012. This Phase I indentified one recognized environmental condition (REC), namely that the Site is documented as "E" designated for lots 26 and 27 according to the NYC Department of Buildings. The "E" designation is given to the property for hazardous materials, air quality and noise.

A *Phase II Investigation Report* was prepared by Hydro Tech Environmental Corp. for Landmark Realty LLC and Run 178th LLC dated November 15, 2012.

1. Depth to groundwater could not be determined during the Phase II Investigation.
2. Depth to bedrock at the Site could not be determined during the Phase II Investigation.
3. Soil/fill samples collected during the Phase II Investigation showed that no volatile organic compounds (VOCs) were identified at the Site except for acetone which was found above Unrestricted Use SCOs in the shallow soil sample from the building located on Lot 27. No semi volatile organic compounds (SVOCs) were detected above SCOs in any of the soil samples. No PCBs or Pesticides were detected in any of the soil samples. No metals were found above SCOs in any of the soil samples except for Lead and Zinc in the shallow soil sample from the building on Lot 27 which were identified above Unrestricted Use and Restricted Use SCOs respectively.

4. Groundwater was not sampled during the Phase II Investigation.
5. Soil vapor was not sampled during the Phase II Investigation.

A *Geotechnical Engineering Investigation* was prepared by Pillori Associates for Raber Enterprises dated January 22, 2013.

1. Depth to groundwater was determined to be at 14.4 feet below grade at the Site.
2. Fill material was encountered from below the concrete slab to between 11 and 15 feet bgs at the Site.
3. Bedrock was encountered at 26 to 31 feet bgs at the Site.
4. Native soil classified as glacial till was encountered between the fill layer and bedrock at the Site.

Digital (PDF) copies of the above referenced environmental reports are included as Appendix 1.

2.3 Site Inspection

A site inspection was performed by Paul P. Stewart and J. Raul Ramirez of ACT and William H. Hong of OER on February 13, 2013. The site inspection was performed to identify potential areas of concern and to determine possible problems that could be encountered during the RI. No specific areas of concern were identified during the site inspection. The ceiling height and traffic flow in the parking garage were identified as possible limitations to the RI.

2.4 Areas of Concern

No specific areas of concern were identified at the site. Sampling locations were chosen to get a general understanding of soil, groundwater and soil vapor throughout the entire site.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Paul P. Stewart.

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

Advanced Cleanup Technologies performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed three soil borings across the entire project Site, and collected six soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed two temporary groundwater monitoring wells throughout the Site, accessed an existing groundwater monitoring well to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed three soil vapor probes around Site perimeter and collected three samples for chemical analysis.

4.1 Geotechnical Investigation

A Geotechnical Engineering Investigation was prepared by Pillori Associates for Raber Enterprises dated January 22, 2013. The investigation consisted of the drilling of four test borings, four excavation pits and one groundwater observation well at the Site. The investigation took place between the dates of December 20, 2012 and January 3, 2013. The results of the Geotechnical Engineering Investigation are contained in Appendix 1.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

Three soil borings were installed throughout the site to supplement two soil borings installed during the Phase II Investigation. Two of the three soil borings were installed in the building at 321-323 West 35th Street and one soil boring was installed in the building at 325 West 35th Street. The locations of the soil borings can be seen in Figure 4. Soil borings were installed utilizing a truck-mounted Geoprobe-style drill unit in combination with 5 foot macro-core soil samplers containing dedicated acetate liners. All down hole drilling equipment was decontaminated between sampling events to minimize the possibility of cross-contamination. Field notes are provided in Appendix 2. Soil boring logs are provided in Appendix 3.

Soil boring SB-1 was installed to a depth of 15 feet below ground surface (bgs) in the northern portion of the building at 321-323 West 35th Street. Soil beneath the concrete slab generally consisted of fill material to a depth of approximately 12 feet bgs and native orange to brown fine sand to a depth of 15 feet bgs. Groundwater was encountered at approximately 13 feet bgs.

Soil boring SB-2 was installed to a depth of 15 feet bgs in the northern portion of the building at 325 West 35th Street. Soil beneath the concrete slab generally consisted of fill material to a depth of approximately 12 feet bgs and native brown to red fine to medium sand to a depth of 15 feet bgs. Groundwater was encountered at approximately 14 feet bgs.

Soil boring SB-3 was installed to a depth of 15 feet bgs in the central portion of the building at 321-323 West 35th Street. The initial location of SB-3 in the southern portion of the building met refusal several times at less that 1 foot bgs and its location was moved closer to the central portion of the building in the vicinity of the on-site monitoring well. Soil beneath the concrete slab generally consisted of fill material to a depth of approximately 13 bgs and native orange to brown fine to medium sand to a depth of 15 feet bgs. Groundwater was encountered at approximately 14 feet bgs.

Soil samples were visually examined for lithology and the presence of contamination and field screened utilizing a Photovac 2020 hand held photoionization detector (PID). The PID is capable of detecting organic vapors at concentrations as low as 0.1 parts per million (ppm). A PID reading of 0.0 ppm was recorded for soil screened in all borings over their entire depth. No visual or olfactory evidence of contamination was observed in any of the soil borings.

Shallow and deep soil samples from all soil borings were collected from 0 to 2 feet and 12 to 14 feet bgs except SB-1 where the deep soil sample was collected from 11 to 13 feet bgs. All soil samples were containerized and placed in a cooler for laboratory analysis. Upon completion of drilling, PVC well screens were installed in the boreholes of SB-1 and SB-2. SB-3 was backfilled to just below the concrete floor with drill cuttings and a concrete patch was installed flush with the floor surface.

Six soil samples were transmitted under chain of custody to H2M Labs, Inc. (NYSDOH # 10478). Soil samples were analyzed for VOCs in accordance with EPA Method 8260, SVOCs in accordance with EPA Method 8270, Metals in accordance with EPA Methods 6010 and 7471

and PCBs and Pesticides in accordance with EPA Methods 8081 and 8082. Copies of the laboratory reports are contained as Appendix 4.

Groundwater Monitoring Well Construction

Groundwater quality was determined during the current investigation through the installation and sampling of two newly installed cased monitoring wells and the sampling of an existing onsite cased monitoring well. Each newly installed monitoring well was installed utilizing a truck-mounted Geoprobe-style drill unit in combination with a 1-inch diameter PVC well screen and riser. Groundwater was encountered at approximately 14 feet bgs. Each well screen was installed to a depth that intersected the water table. Monitoring well locations are shown in Figure 4.

Groundwater was obtained from each monitoring well utilizing a peristaltic pump with dedicated polyethylene tubing. Groundwater samples were collected into laboratory-issued sampling containers after purging each well of several well volumes of development water. None of the samples exhibited odors, a sheen or evidence of contamination.

A total of three groundwater samples were placed into a cooler and transported to H2M Labs, Inc. for analysis. All groundwater samples were analyzed for VOCs in accordance with EPA Method 8260, SVOCs in accordance with EPA Method 8270, dissolved and total Metals in accordance with EPA Methods 6010 and 7471 and PCBs and Pesticides in accordance with EPA Methods 8081 and 8082.

Survey

The locations of soil borings and monitoring wells were surveyed relative to a permanent surface benchmark.

Water Level Measurement

Groundwater elevations were determined using an electronic depth water meter accurate to the nearest 0.01 foot. The direction of groundwater flow was determined to flow west based on static groundwater elevations.

Water level data is included in Table 1.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation considered 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

Six 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 2 through 5. Figure 4 shows the location of samples collected in this and previous investigations. Laboratories and analytical methods are shown below.

Groundwater Sampling

Three groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data is reported in Tables 6 through 9. Figure 4 shows the locations of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Three soil vapor probes were installed and three soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 4. Soil vapor sample collection data is reported in Table 9. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

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 Paul P. Stewart
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were H2M Labs, Inc. (NYSDOH # 10478)
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 EPA Method TO-15 (rev. 2000).

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 2 through 10. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix 4.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Soils beneath the concrete floor typically consisted of fill material to a depth of approximately 12 feet bgs and orange to brown fine to medium sand from 12 to 15 feet bgs. Bedrock was not encountered during the current investigation, but was found to be at approximately 26 through 31 feet bgs during the investigation done by Pillori Associates.

Hydrogeology

A table of water level data for all monitoring wells is included in Table 1. The average depth to groundwater is 14 feet bgs. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figure 5. Groundwater flow is from east to west.

5.2 Soil Chemistry

The analytical results for the soil samples collected from borings SB-1, SB-2 and SB-3 are summarized in Tables 2 through 5. The soil quality data was compared to unrestricted, restricted residential and commercial use soil cleanup objectives (UUSCOs, RRSCOs and CSCOs, respectively) contained in Table 6.8 of 6 NYCRR Part 375.

It can be seen from Table 2 that no VOCs were detected in any of the soil samples collected except for Acetone in all borings, which was not detected above regulatory guidance values.

Table 3 shows that no SVOCs were detected in any of the soil samples except for the shallow soil sample from SB-3, where three SVOCs were detected. None of the compounds detected in the shallow soil sample from SB-3 were found above regulatory guidance values.

As Table 4 indicates, some metals exceeded regulatory guidance values in both the shallow and deep samples from SB-1 and in the shallow soil sample from SB-3. Lead was detected above UUSCOs but below RRSCOs in the shallow soil sample from SB-1. Chromium and Zinc were detected above UUSCOs but below RRSCOs in the deep soil sample from SB-1. In the shallow soil sample from SB-3, Zinc was detected above its UUSCO but below its RRSCO, Mercury was detected above its RRSCO but below its CSCO, and Lead was detected above its CSCO. The remaining metals were detected below regulatory guidance values.

Table 5 indicates that no PCBs or Pesticides were detected in any of the soil samples except for the shallow soil sample from SB-3. Three pesticides were found above UUSCOs but below RRSCOs in the shallow soil sample from SB-3.

Figure 6 indicates the compounds that exceeded soil cleanup objectives in soil samples.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site.

5.3 Groundwater Chemistry

It can be seen from Table 6 that no VOCs were detected in either of the groundwater samples from TW-2 or B1-W. Four VOCs were detected in the groundwater sample from TW-1, three of which were also detected above regulatory guidance values.

Table 7 shows that no SVOCs were detected in any of the groundwater samples.

As Table 8 indicates, four total and two dissolved metals were detected above regulatory guidance values in B1-W. Five total and two dissolved metals were detected above regulatory guidance values in TW-1. Finally, four total and one dissolved metals were detected above regulatory guidance values TW-2.

Table 9 shows that no PCBs or Pesticides were detected in any of the groundwater samples.

Figure 6 indicates the compounds that exceeded groundwater quality standards in groundwater samples.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site.

5.4 Soil Vapor Chemistry

The analytical results for the sub-slab vapor samples are summarized in Table 10. It can be seen from Table 10 that 26 VOCs were detected in SV-1 and 23 VOCs were detected in SV-2 and SV-3.

Tetrachloroethene (PCE) was found at a concentrations ranging from 7.12 to 16.3 ug/m^3 and Trichloroethene (TCE) was found at a concentrations ranging from non-detect to 2.10 ug/m^3 in sub-slab vapor.

None of the compounds detected in sub-slab vapor required further action according to the NYS DOH Final Guidance on Soil Vapor Intrusion (October 2006).

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site.

5.5 Prior Activity

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

5.6 Impediments to Remedial Action

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

FIGURES

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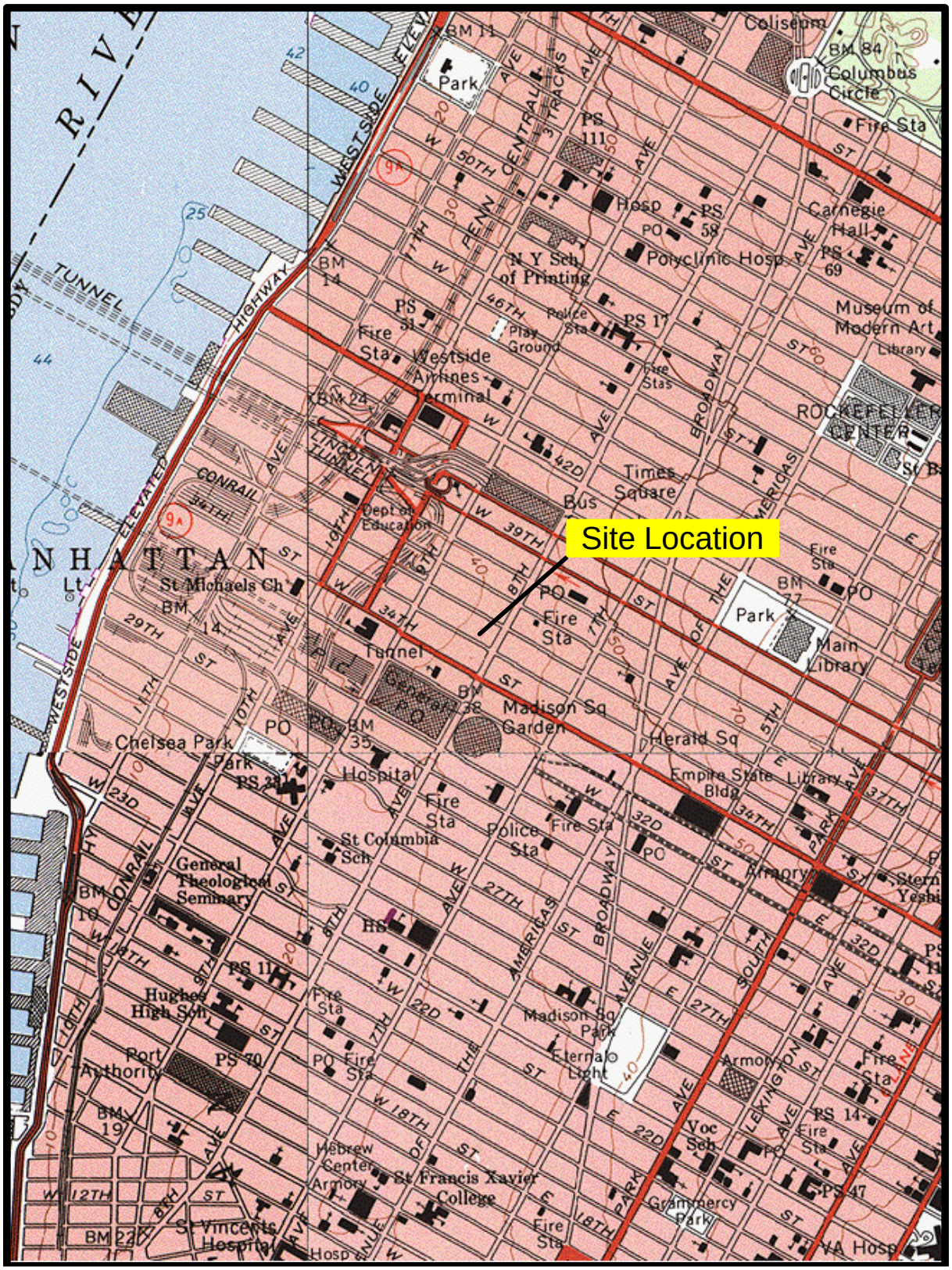
Figure 1

Locational Diagram



From USGS 7.5 Minute Topographic Map Of
Central Park, New York Quadrangle

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Locational Diagram

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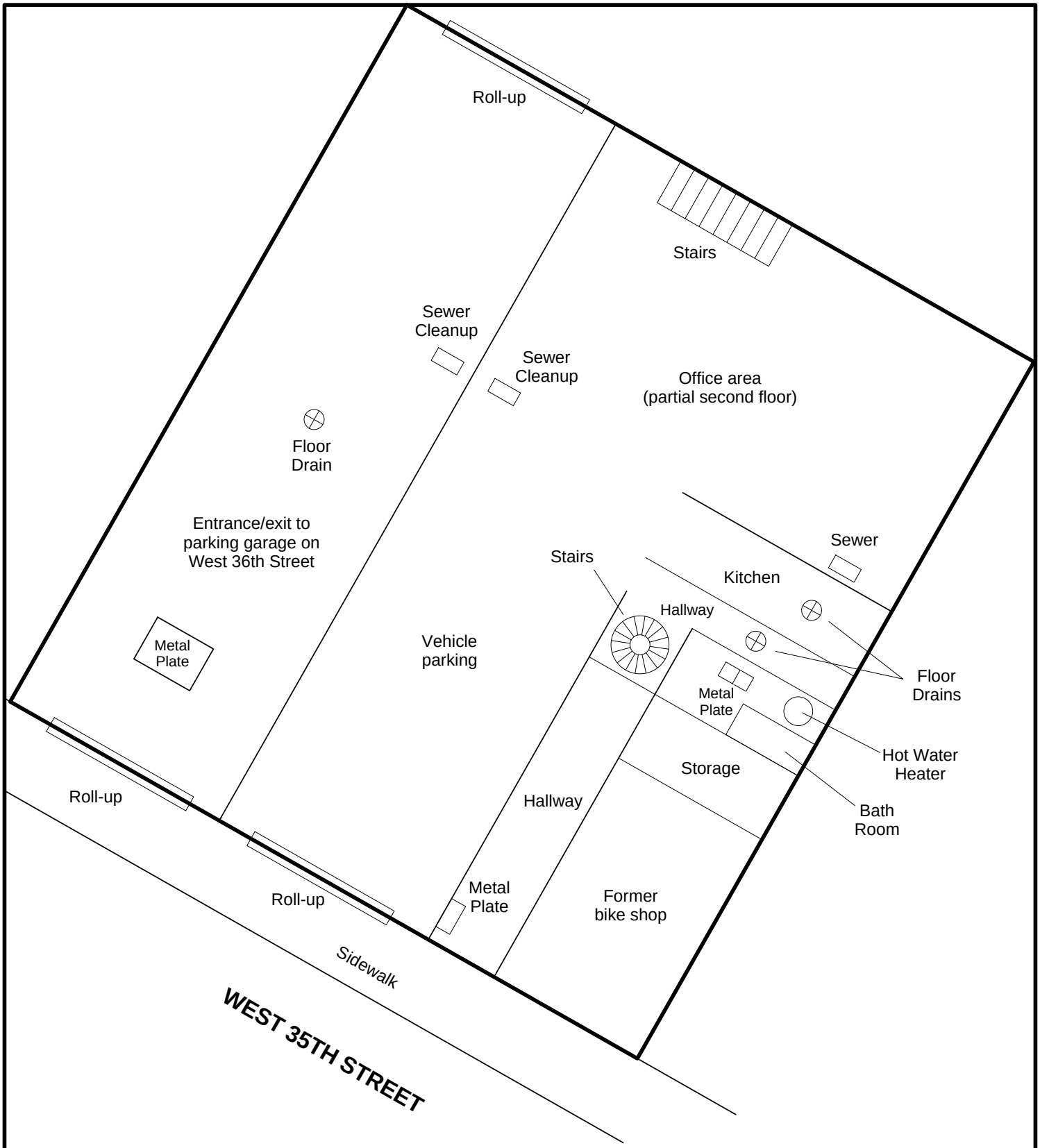
Project No	7186-NYNY	Figure No	1
Date:	01/02/2013	Scale	1 inch = 2000 feet

Figure 2

Site Diagram



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Site Diagram

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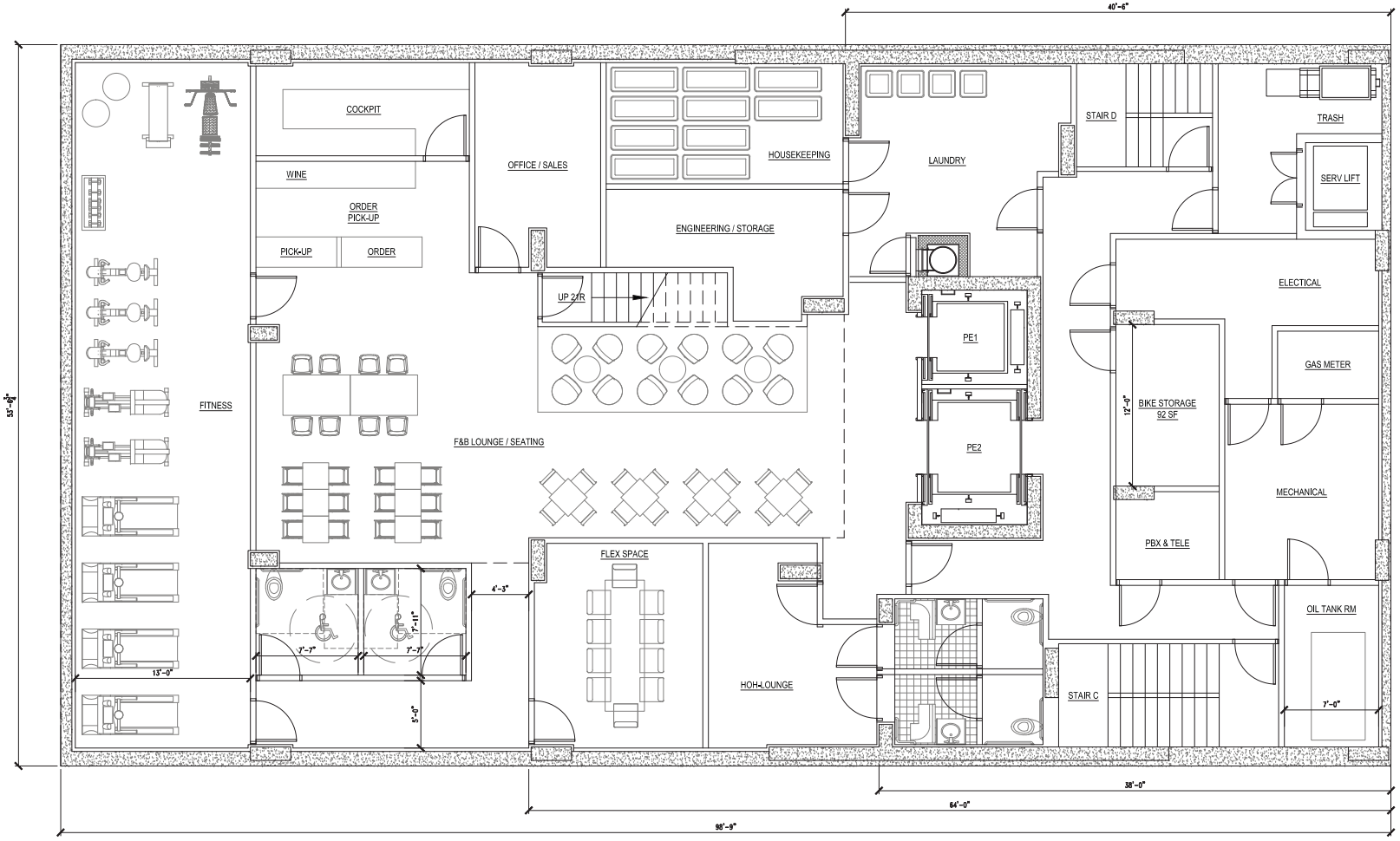
Project No. 7186-NYNY	Figure No : 2
Date: 02/11/2013	Scale: Not To Scale

Figure 3

Redevelopment Plan

Figure 3
Redevelopment Plan



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GENERAL CONTRACTOR

No.	DATE	ISSUE / REVISION

321-325 WEST 35TH STREET
NEW YORK, NY 10001

TITLE

CELLAR
FLOOR PLAN

NORTH

SCALE

1/4" = 1'-0"

SCALE & DIMENSIONS

DATE

PROJECT No. 2000.01

DRAWN BY DRW

CHK. BY CHK

SHEET No.

A-101.00

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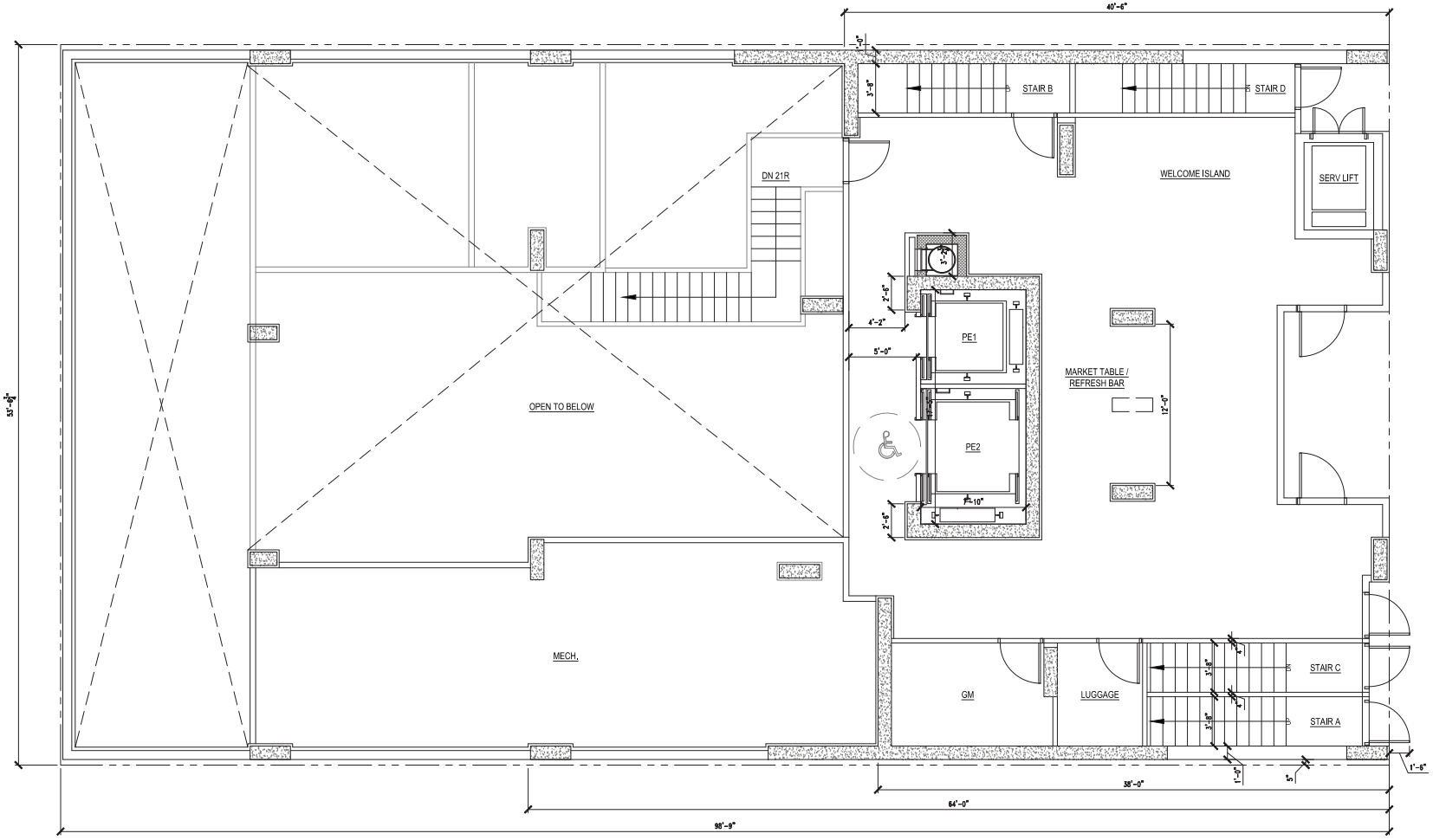
Figure 3
Redevelopment Plan



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GENERAL CONTRACTOR

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No.	DATE	ISSUE / REVISION

321-325 WEST 35TH STREET
NEW YORK, NY 10001

TITLE
1ST FLOOR PLAN

NORTH

SCALE
1/4" = 1'-0"

DATE
PROJECT No. 2000.01
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Figure 3
Redevelopment Plan

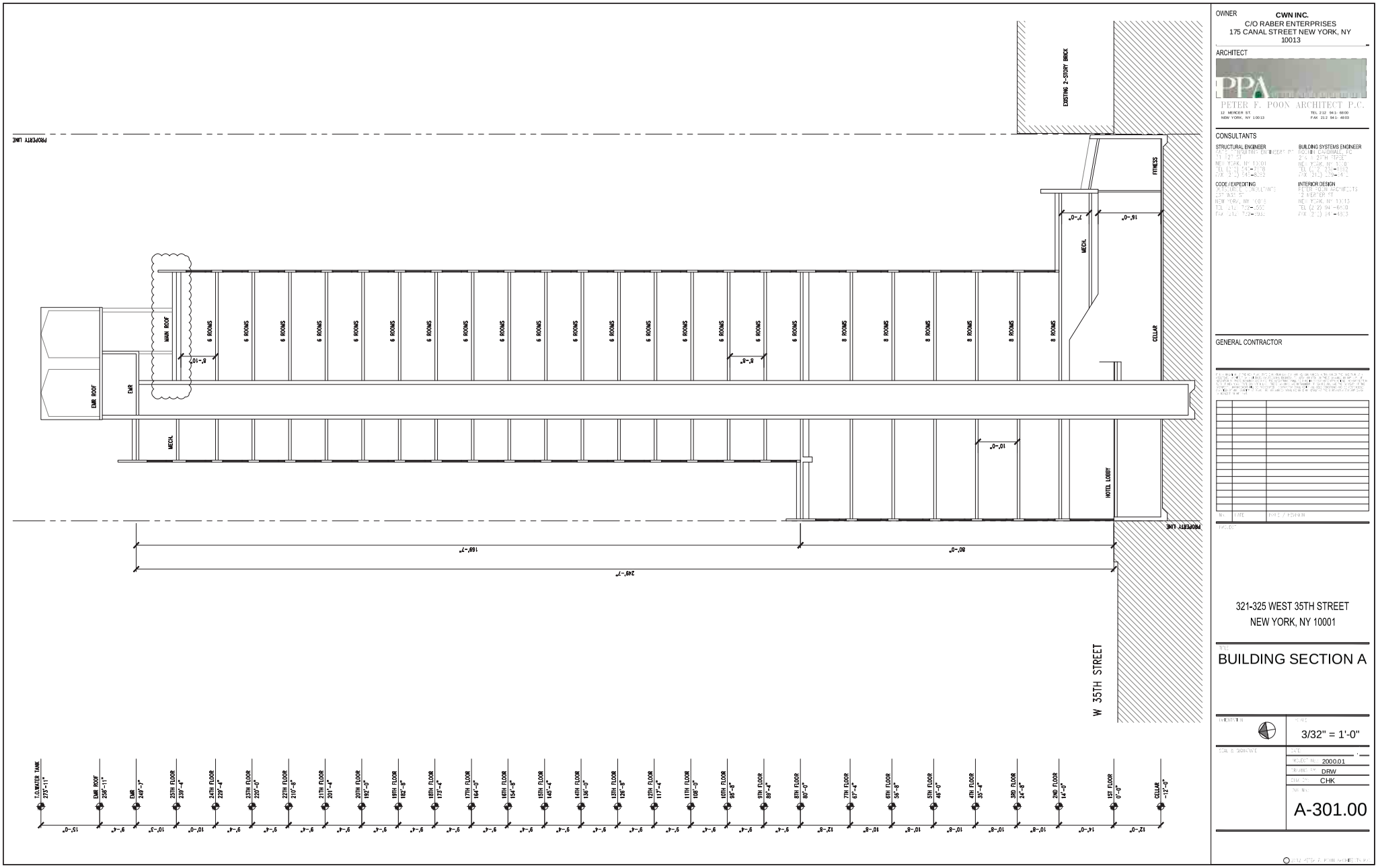


Figure 3
Redevelopment Plan

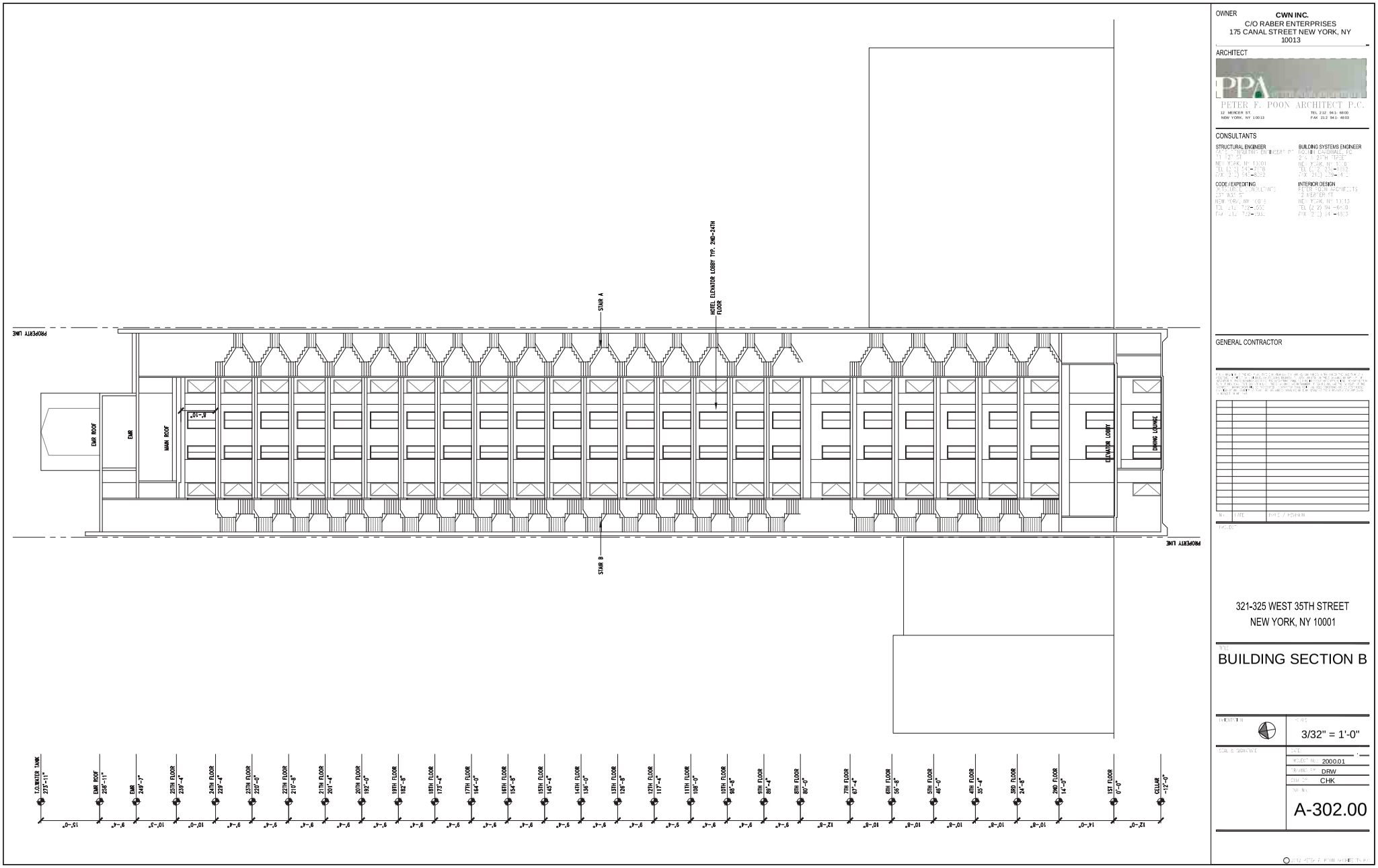
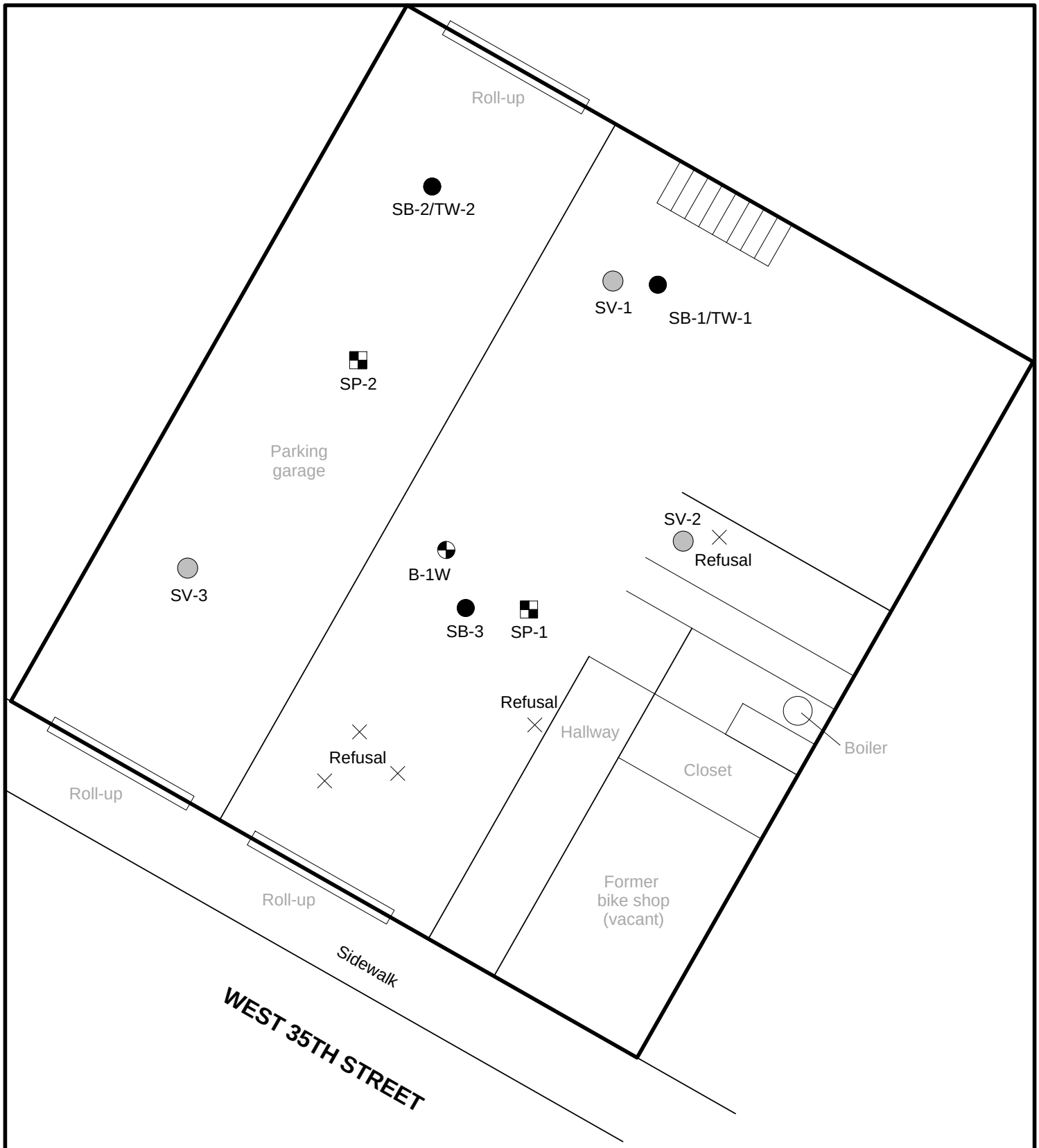


Figure 4

Sampling Diagram



Legend

- Soil Boring / Temp. Well
- Soil Vapor
- Soil Probe Location (Hydro Tech)
- Monitoring Well Location (Pillori)

N

Sampling Diagram

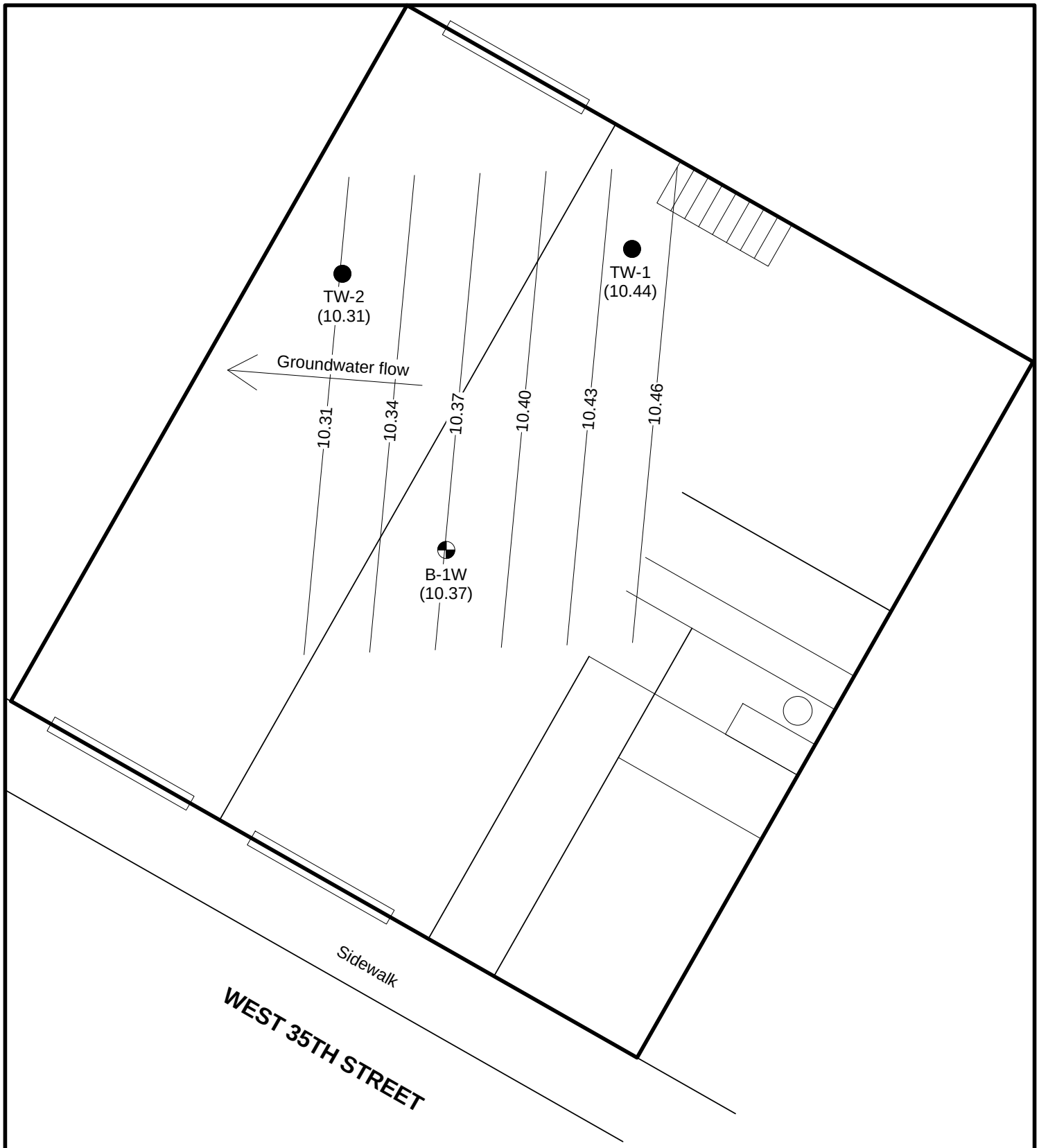
Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

960 S. Broadway, Suite 100, Hicksville, New York 1180
Tel: 516-933-0655 Fax: 516-933-0659

Project No. 7186-NYNY	Figure No : 4
Date: 05/31/2013	Scale: Not To Scale

Figure 5

Groundwater Flow Diagram



Legend

- Temporary Well Location
- Monitoring Well Location (Pillori)

N

Groundwater Flow Diagram

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

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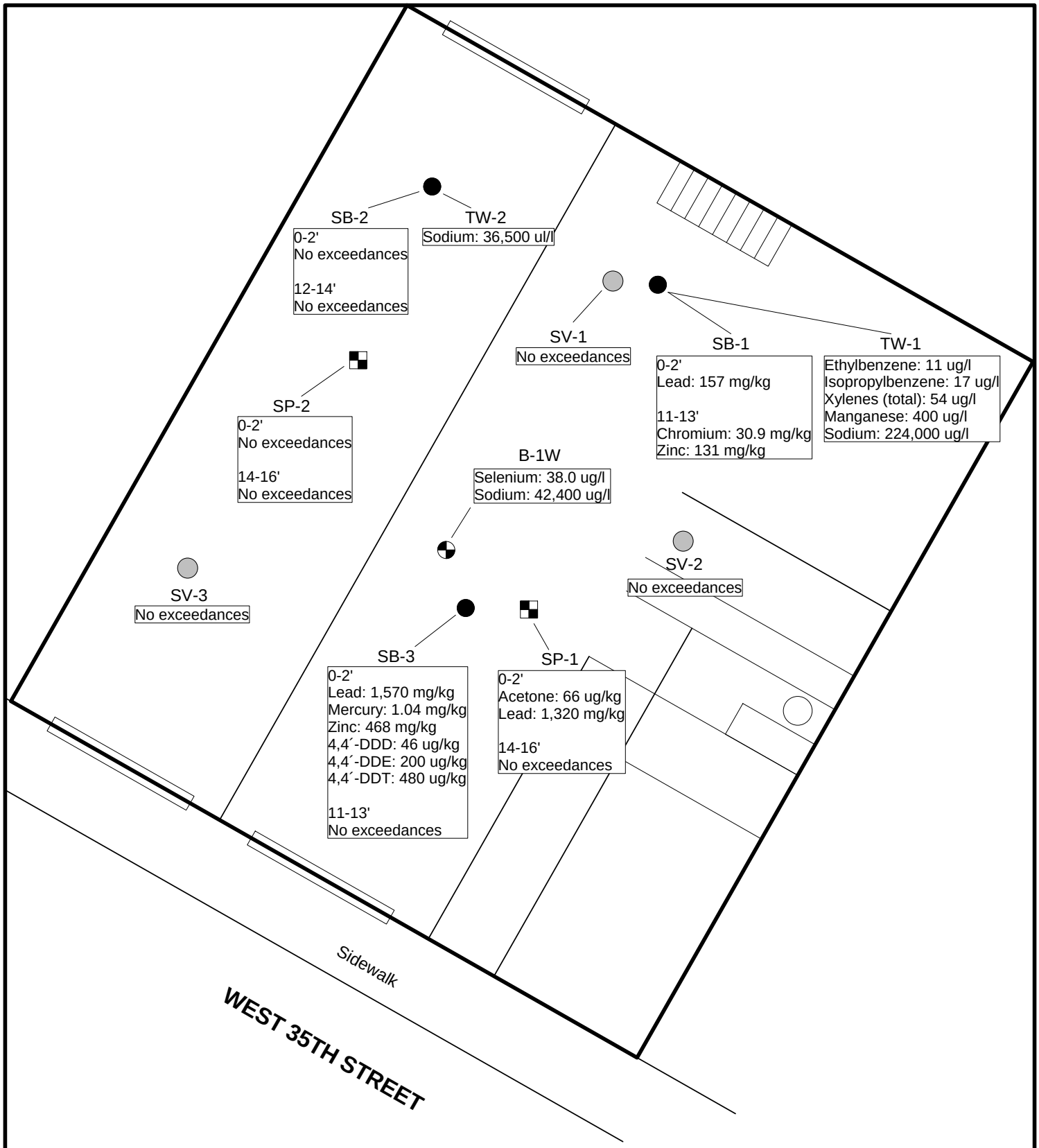
Project No. 7186-NYNY	Figure No : 5
Date: 02/15/2013	Scale: Not To Scale

Figure 6

Soil, Groundwater and Soil Vapor Quality



Legend

- Soil Boring / Monitoring Well
- Soil Vapor
- Soil Probe Location (Hydro Tech)
- Monitoring Well Location (Pillori)

N

Soil, Groundwater and Soil Vapor Quality

Advanced Cleanup Technologies, Inc.
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960 S. Broadway, Suite 100, Hicksville, New York 1180
Tel: 516-933-0655 Fax: 516-933-0659

Project No. 7186-NYNY	Figure No : 6
Date: 06/05/2013	Scale: Not To Scale

TABLES

Table 1

Well Casing and Water Level Elevations
321-325 West 35th Street
New York, NY

ACT Project No.: 7186-NYNY

Sample ID **Construction Date**	**B1-W** **12/20/2012**	**TW-1** **2/20/2013**	**TW-2** **2/22/2013**
Well Diameter	2"	2"	2"
Construction Material	PVC	PVC	PVC
Top of Casing Elevation	24.48	24.54	24.36
Depth to Water	14.11	14.10	14.05
Water Table Elevation	10.37	10.44	10.31

Table 2

Volatile Organic Compounds in Soil (ug/kg)
EPA Method 8260
321-325 West 35th Street
New York, NY

ACT Project No.: 7186-NYNY

Sample ID Sample Date	UUSCO [1]	Standard RRSCO [2]	CSCO [3]	SB-1 (0-2') 2/20/2013	SB-1 (11-13') 2/20/2013	SB-2 (0-2') 2/22/2013	SB-2 (12-14') 2/22/2013	SB-3 (0-2') 2/22/2013	SB-3 (12-14') 2/22/2013
1,1,1-Trichloroethane	680	100,000	500,000	< 13	< 16	< 13	< 13	< 15	< 14
1,1,2,2-Tetrachloroethane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
1,1,2-Trichloroethane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
1,1-Dichloroethane	270	26,000	240,000	< 13	< 16	< 13	< 13	< 15	< 14
1,1-Dichloroethene	330	100,000	500,000	< 13	< 16	< 13	< 13	< 15	< 14
1,2,4-Trichlorobenzene	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
1,2-Dibromo-3-chloropropane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
1,2-Dibromoethane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
1,2-Dichlorobenzene	1,100	100,000	500,000	< 13	< 16	< 13	< 13	< 15	< 14
1,2-Dichloroethane	20	3,100	30,000	< 13	< 16	< 13	< 13	< 15	< 14
1,2-Dichloropropane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
1,3-Dichlorobenzene	2,400	49,000	280,000	< 13	< 16	< 13	< 13	< 15	< 14
1,4-Dichlorobenzene	1,800	13,000	130,000	< 13	< 16	< 13	< 13	< 15	< 14
2-Butanone	120	100,000	500,000	< 13	< 16	< 13	< 13	< 15	< 14
2-Hexanone	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
4-Methyl-2-pentanone	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Acetone	50	100,000	500,000	**26**	**19**	**13**	**15**	**16**	**16**
Benzene	60	4,800	44,000	< 13	< 16	< 13	< 13	< 15	< 14
Bromodichloromethane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Bromoform	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Bromomethane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Carbon disulfide	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Carbon tetrachloride	760	2,400	22,000	< 13	< 16	< 13	< 13	< 15	< 14
Chlorobenzene	1,100	100,000	500,000	< 13	< 16	< 13	< 13	< 15	< 14
Chloroethane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Chloroform	370	49,000	350,000	< 13	< 16	< 13	< 13	< 15	< 14
Chloromethane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
cis-1,2-Dichloroethene	250	100,000	500,000	< 13	< 16	< 13	< 13	< 15	< 14
cis-1,3-Dichloropropene	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Cyclohexane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Dibromochloromethane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Dichlorodifluoromethane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Ethylbenzene	1,000	41,000	390,000	< 13	< 16	< 13	< 13	< 15	< 14
Isopropylbenzene	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Methyl Acetate	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Methyl tert-butyl ether	930	100,000	500,000	< 13	< 16	< 13	< 13	< 15	< 14
Methylcyclohexane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Methylene chloride	50	100,000	500,000	< 13	< 16	< 13	< 13	< 15	< 14
Styrene	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Tetrachloroethene	1,300	19,000	150,000	< 13	< 16	< 13	< 13	< 15	< 14
Toluene	700	100,000	500,000	< 13	< 16	< 13	< 13	< 15	< 14
trans-1,2-Dichloroethene	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
trans-1,3-Dichloropropene	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Trichloroethene	470	21,000	200,000	< 13	< 16	< 13	< 13	< 15	< 14
Trichlorofluoromethane	NS	NS	NS	< 13	< 16	< 13	< 13	< 15	< 14
Vinyl chloride	20	900	13,000	< 13	< 16	< 13	< 13	< 15	< 14
Xylenes (Total)	260	100,000	500,000	< 13	< 16	< 13	< 13	< 15	< 14

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006
[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
Bolded values signify detection above method detection limit
NS = No Standard

Table 3

Semi Volatile Organic Compounds in Soil (ug/kg)
EPA Method 8270
321-325 West 35th Street
New York, NY

ACT Project No.: 7186-NYNY

Sample ID Sample Date	UUSCO [1]	Standard RRSCO [2]	CSCO [3]	SB-1 (0-2') 2/20/2013	SB-1 (11-13') 2/20/2013	SB-2 (0-2') 2/22/2013	SB-2 (12-14') 2/22/2013	SB-3 (0-2') 2/22/2013	SB-3 (12-14') 2/22/2013
1,1´-Biphenyl	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
2,2´-oxybis(1-chloropropane)	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
2,4,5-Trichlorophenol	NS	NS	NS	< 900	< 910	< 840	< 860	< 930	< 910
2,4,6-Trichlorophenol	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
2,4-Dichlorophenol	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
2,4-Dimethylphenol	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
2,4-Dinitrophenol	NS	NS	NS	< 900	< 910	< 840	< 860	< 930	< 910
2,4-Dinitrotoluene	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
2,6-Dinitrotoluene	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
2-Chloronaphthalene	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
2-Chlorophenol	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
2-Methylnaphthalene	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
2-Methylphenol	330	100,000	500,000	< 360	< 360	< 340	< 340	< 370	< 360
2-Nitroaniline	NS	NS	NS	< 900	< 910	< 840	< 860	< 930	< 910
2-Nitrophenol	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
3,3´-Dichlorobenzidine	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
3-Nitroaniline	NS	NS	NS	< 900	< 910	< 840	< 860	< 930	< 910
4,6-Dinitro-2-methylphenol	NS	NS	NS	< 900	< 910	< 840	< 860	< 930	< 910
4-Bromophenyl-phenylether	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
4-Chloro-3-methylphenol	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
4-Chloroaniline	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
4-Chlorophenyl phenyl ether	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
4-Methylphenol	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
4-Nitroaniline	NS	NS	NS	< 900	< 910	< 840	< 860	< 930	< 910
4-Nitrophenol	NS	NS	NS	< 900	< 910	< 840	< 860	< 930	< 910
Acenaphthene	20,000	100,000	500,000	< 360	< 360	< 340	< 340	< 370	< 360
Acenaphthylene	100,000	100,000	500,000	< 360	< 360	< 340	< 340	< 370	< 360
Acetophenone	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Anthracene	100,000	100,000	500,000	< 360	< 360	< 340	< 340	< 370	< 360
Atrazine	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Benzaldehyde	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Benzo(a)anthracene	1,000	1,000	5,600	< 360	< 360	< 340	< 340	< 370	< 360
Benzo(a)pyrene	1,000	1,000	1,000	< 360	< 360	< 340	< 340	< 370	< 360
Benzo(b)fluoranthene	1,000	1,000	5,600	< 360	< 360	< 340	< 340	< 370	< 360
Benzo(g,h,i)perylene	100,000	100,000	500,000	< 360	< 360	< 340	< 340	< 370	< 360
Benzo(k)fluoranthene	800	3,900	56,000	< 360	< 360	< 340	< 340	< 370	< 360
Bis(2-chloroethoxy)methane	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Bis(2-chloroethyl)ether	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Bis(2-ethylhexyl)phthalate	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Butyl benzyl phthalate	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Caprolactam	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Carbazole	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Chrysene	1,000	3,900	56,000	< 360	< 360	< 340	< 340	< 370	< 360
Dibenzo(a,h)anthracene	330	330	560	< 360	< 360	< 340	< 340	< 370	< 360
Dibenzofuran	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Diethyl phthalate	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Dimethyl phthalate	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Di-n-butyl phthalate	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Di-n-octyl phthalate	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Fluoranthene	100,000	100,000	500,000	< 360	< 360	< 340	< 340	**610**	< 360
Fluorene	30,000	100,000	500,000	< 360	< 360	< 340	< 340	< 370	< 360
Hexachlorobenzene	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Hexachlorobutadiene	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Hexachlorocyclopentadiene	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Hexachloroethane	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Indeno(1,2,3-c,d)pyrene	500	500	5,600	< 360	< 360	< 340	< 340	< 370	< 360
Isophorone	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Naphthalene	12,000	100,000	500,000	< 360	< 360	< 340	< 340	< 370	< 360
Nitrobenzene	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
N-Nitrosodi-n-propylamine	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
N-Nitrosodiphenylamine	NS	NS	NS	< 360	< 360	< 340	< 340	< 370	< 360
Pentachlorophenol	800	6,700	6,700	< 900	< 910	< 840	< 860	< 930	< 910
Phenanthrene	100,000	100,000	500,000	< 360	< 360	< 340	< 340	**530**	< 360
Phenol	330	100,000	500,000	< 360	< 360	< 340	< 340	< 370	< 360
Pyrene	100,000	100,000	500,000	< 360	< 360	< 340	< 340	**700**	< 360

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006
[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory guidance
NS = No Standard

Table 4

Metals in Soil (mg/kg)
EPA Method 6010 and 7471
321-325 West 35th Street
New York, NY

ACT Project No.: 7186-NYNY

Sample ID		**Standard**		**SB-1 (0-2')**	**SB-1 (11-13')**	**SB-2 (0-2')**	**SB-2 (12-14')**	**SB-3 (0-2')**	**SB-3 (12-14')**
Sample Date	**UUSCO [1]**	**RRSCO [2]**	**CSCO [3]**	**2/20/2013**	**2/20/2013**	**2/22/2013**	**2/22/2013**	**2/22/2013**	**2/22/2013**
Aluminum	NS	NS	NS	**10,700**	**8,580**	**2,040**	**4,400**	**6,660**	**3,900**
Antimony	NS	NS	NS	< 6.55	< 6.56	< 6.10	< 6.27	< 6.78	< 6.63
Arsenic	13	16	16	**3.57**	**1.43**	**1.3**	< 1.05	**5.88**	< 1.10
Barium	350	400	400	**71.9**	**82.4**	< 20.3	< 20.9	**617**	< 22.1
Beryllium	7.2	72	590	< 0.55	< 0.55	< 0.51	< 0.52	< 0.56	< 0.55
Cadmium	2.5	4.3	9.3	< 0.55	< 0.55	< 0.51	< 0.52	< 0.56	< 0.55
Calcium	NS	NS	NS	**3,450**	**2,300**	**1,790**	**867**	**41,300**	**1,010**
Chromium	30	180	1,500	**13.1**	**30.9**	**8.97**	**16.1**	**15.9**	**13.0**
Cobalt	NS	NS	NS	**8.58**	**8.75**	< 5.09	**5.46**	< 5.65	< 5.52
Copper	50	270	270	**25.7**	**22.1**	**3.43**	**8.06**	**19.1**	**8.13**
Iron	NS	NS	NS	**16,300**	**21,700**	**7,100**	**6,550**	**11,300**	**6,410**
Lead	63	400	1,000	**157**	**5.72**	**5.87**	**2.97**	**1,570**	**3.84**
Magnesium	NS	NS	NS	**3,730**	**3,200**	**779**	**1,320**	**3,060**	**1,210**
Manganese	1,600	2,000	10,000	**336**	**456**	**117**	**100**	**270**	**71.2**
Mercury	0.18	0.81	2.8	< 0.22	< 0.22	< 0.20	< 0.21	**1.04**	< 0.22
Nickel	30	310	310	**13.1**	**21.7**	**4.55**	**8.05**	**13.4**	**6.1**
Potassium	NS	NS	NS	**1,030**	**1,890**	**869**	**892**	**1,220**	**868**
Selenium	3.9	180	1,500	< 0.55	< 0.55	< 0.51	< 0.52	**0.95**	< 0.55
Silver	2	180	1,500	< 1.09	< 1.09	< 1.02	< 1.05	< 1.13	< 1.10
Sodium	NS	NS	NS	**64.5**	**237**	**109**	**68.6**	**385**	**65.4**
Thallium	NS	NS	NS	< 1.09	< 1.09	< 1.02	< 1.05	< 1.13	< 1.10
Vanadium	NS	NS	NS	**15.8**	**36.3**	**6.42**	**13.4**	**21**	**14.6**
Zinc	109	10,000	10,000	**74.2**	**131**	**11.5**	**13.6**	**468**	**17**

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006
[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory guidance

Table 5

PCBs and Pesticides in Soil (ug/kg)
EPA Method 8081/8082
321-325 West 35th Street
New York, NY

ACT Project No.: 7186-NYNY

Sample ID Sample Date	UUSCO [1]	Standard RRSCO [2]	CSCO [3]	SB-1 (0-2') 2/20/2013	SB-1 (11-13') 2/20/2013	SB-2 (0-2') 2/22/2013	SB-2 (12-14') 2/22/2013	SB-3 (0-2') 2/22/2013	SB-3 (12-14') 2/22/2013
4,4´-DDD	3.3	2,600	92,000	< 3.6	< 3.6	< 3.4	< 3.4	**46**	< 3.6
4,4´-DDE	3.3	1,800	62,000	< 3.6	< 3.6	< 3.4	< 3.4	**200**	< 3.6
4,4´-DDT	3.3	1,700	47,000	< 3.6	< 3.6	< 3.4	< 3.4	**480**	< 3.6
Aldrin	5	19	680	< 1.8	< 1.9	< 1.7	< 1.8	< 1.9	< 1.9
alpha-BHC	20	97	3,400	< 1.8	< 1.9	< 1.7	< 1.8	< 1.9	< 1.9
alpha-Chlordane	94	4,200	24,000	< 1.8	< 1.9	< 1.7	< 1.8	< 1.9	< 1.9
Aroclor 1016	100	1,000	1,000	< 36	< 36	< 34	< 34	< 37	< 36
Aroclor 1221	100	1,000	1,000	< 73	< 73	< 68	< 70	< 75	< 74
Aroclor 1232	100	1,000	1,000	< 36	< 36	< 34	< 34	< 37	< 36
Aroclor 1242	100	1,000	1,000	< 36	< 36	< 34	< 34	< 37	< 36
Aroclor 1248	100	1,000	1,000	< 36	< 36	< 34	< 34	< 37	< 36
Aroclor 1254	100	1,000	1,000	< 36	< 36	< 34	< 34	< 37	< 36
Aroclor 1260	100	1,000	1,000	< 36	< 36	< 34	< 34	< 37	< 36
beta-BHC	36	72	3,000	< 1.8	< 1.9	< 1.7	< 1.8	< 1.9	< 1.9
delta-BHC	40	100,000	500,000	< 1.8	< 1.9	< 1.7	< 1.8	< 1.9	< 1.9
Dieldrin	5	39	1,400	< 3.6	< 3.6	< 3.4	< 3.4	< 3.7	< 3.6
Endosulfan I	2,400	4,800	200,000	< 1.8	< 1.9	< 1.7	< 1.8	< 1.9	< 1.9
Endosulfan II	2,400	4,800	200,000	< 3.6	< 3.6	< 3.4	< 3.4	< 3.7	< 3.6
Endosulfan sulfate	2,400	4,800	200,000	< 3.6	< 3.6	< 3.4	< 3.4	< 3.7	< 3.6
Endrin	14	2,200	89,000	< 3.6	< 3.6	< 3.4	< 3.4	< 3.7	< 3.6
Endrin aldehyde	NS	NS	NS	< 3.6	< 3.6	< 3.4	< 3.4	< 3.7	< 3.6
Endrin ketone	NS	NS	NS	< 3.6	< 3.6	< 3.4	< 3.4	< 3.7	< 3.6
gamma-BHC	100	280	9,200	< 1.8	< 1.9	< 1.7	< 1.8	< 1.9	< 1.9
gamma-Chlordane	NS	NS	NS	< 1.8	< 1.9	< 1.7	< 1.8	< 1.9	< 1.9
Heptachlor	42	420	15,000	< 1.8	< 1.9	< 1.7	< 1.8	< 1.9	< 1.9
Heptachlor epoxide	NS	NS	NS	< 1.8	< 1.9	< 1.7	< 1.8	< 1.9	< 1.9
Methoxychlor	NS	NS	NS	< 18	< 19	< 17	< 18	< 19	< 19
Toxaphene	NS	NS	NS	< 180	< 190	< 170	< 180	< 190	< 190

[1] Unrestricted Use Soil Cleanup Objectives, Table 375-6.8(a), 6 NYCRR 375, NYSDEC 2006
[2] Restricted Residential Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
[3] Commercial Soil Cleanup Objectives, Table 375-6.8(b), 6 NYCRR 375, NYSDEC 2006
Bolded values signify detection above method detection limit
Highlighted values signify exceedance of regulatory standar

Table 6

Volatile Organic Compounds in Groundwater (ug/l)
EPA Method 8260
321-325 West 35th Street
New York, NY

ACT Project No.: 7186-NYNY

Sample ID Sample Date	Standard [1]	B1-W 2/25/2013	TW-1 2/25/2013	TW-2 2/25/2013
1,1,1-Trichloroethane	5	< 10	< 10	< 10
1,1,2,2-Tetrachloroethane	0.2	< 10	< 10	< 10
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	< 10	< 10	< 10
1,1,2-Trichloroethane	1	< 10	< 10	< 10
1,1-Dichloroethane	5	< 10	< 10	< 10
1,1-Dichloroethene	0.7	< 10	< 10	< 10
1,2,4-Trichlorobenzene	5	< 10	< 10	< 10
1,2-Dibromo-3-chloropropane	0.04	< 10	< 10	< 10
1,2-Dibromoethane	NS	< 10	< 10	< 10
1,2-Dichlorobenzene	2	< 10	< 10	< 10
1,2-Dichloroethane	0.6	< 10	< 10	< 10
1,2-Dichloropropane	1	< 10	< 10	< 10
1,3-Dichlorobenzene	3	< 10	< 10	< 10
1,4-Dichlorobenzene	3	< 10	< 10	< 10
2-Butanone	50	< 10	< 10	< 10
2-Hexanone	50	< 10	< 10	< 10
4-Methyl-2-pentanone	NS	< 10	< 10	< 10
Acetone	50	< 10	< 10	< 10
Benzene	0.7	< 10	< 10	< 10
Bromodichloromethane	50	< 10	< 10	< 10
Bromoform	50	< 10	< 10	< 10
Bromomethane	5	< 10	< 10	< 10
Carbon disulfide	NS	< 10	< 10	< 10
Carbon tetrachloride	5	< 10	< 10	< 10
Chlorobenzene	5	< 10	< 10	< 10
Chloroethane	5	< 10	< 10	< 10
Chloroform	7	< 10	< 10	< 10
Chloromethane	NS	< 10	< 10	< 10
cis-1,2-Dichloroethene	5	< 10	< 10	< 10
cis-1,3-Dichloropropene	0.4	< 10	< 10	< 10
Cyclohexane	NS	< 10	< 10	< 10
Dibromochloromethane	50	< 10	< 10	< 10
Dichlorodifluoromethane	5	< 10	< 10	< 10
Ethylbenzene	5	< 10	**11**	< 10
Isopropylbenzene	5	< 10	**17**	< 10
Methyl Acetate	NS	< 10	< 10	< 10
Methyl tert-butyl ether	10	< 10	< 10	< 10
Methylcyclohexane	NS	< 10	**14**	< 10
Methylene chloride	5	< 10	< 10	< 10
Styrene	50	< 10	< 10	< 10
Tetrachloroethene	5	< 10	< 10	< 10
Toluene	5	< 10	< 10	< 10
trans-1,2-Dichloroethene	5	< 10	< 10	< 10
trans-1,3-Dichloropropene	NS	< 10	< 10	< 10
Trichloroethene	5	< 10	< 10	< 10
Trichlorofluoromethane	5	< 10	< 10	< 10
Vinyl chloride	2	< 10	< 10	< 10
Xylene (total)	15	< 10	**54**	< 10

[1] NYS DEC TOGS 1.1.1, June, 1998

Bolded values signify detection above method detection limit

NS = No Standard

Table 7

Semi Volatile Organic Compounds in Groundwater (ug/l)
EPA Method 8270
321-325 West 35th Street
New York, NY

ACT Project No.: 7186-NYNY

Sample ID Sample Date	Standard [1]	B1-W 2/25/2013	TW-1 2/25/2013	TW-2 2/25/2013
1,1´-Biphenyl	5	< 10	< 20	< 10
2,2´-oxybis(1-chloropropane)	NS	< 10	< 20	< 10
2,4,5-Trichlorophenol	NS	< 25	< 50	< 25
2,4,6-Trichlorophenol	NS	< 10	< 20	< 10
2,4-Dichlorophenol	0.3	< 10	< 20	< 10
2,4-Dimethylphenol	50	< 10	< 20	< 10
2,4-Dinitrophenol	10	< 25	< 50	< 25
2,4-Dinitrotoluene	5	< 10	< 20	< 10
2,6-Dinitrotoluene	0.07	< 10	< 20	< 10
2-Chloronaphthalene	10	< 10	< 20	< 10
2-Chlorophenol	NS	< 10	< 20	< 10
2-Methylnaphthalene	42	< 10	< 20	< 10
2-Methylphenol	NS	< 10	< 20	< 10
2-Nitroaniline	5	< 25	< 50	< 25
2-Nitrophenol	NS	< 10	< 20	< 10
3,3´-Dichlorobenzidine	5	< 10	< 20	< 10
3-Nitroaniline	5	< 25	< 50	< 25
4,6-Dinitro-2-methylphenol	NS	< 25	< 50	< 25
4-Bromophenyl-phenylether	NS	< 10	< 20	< 10
4-Chloro-3-methylphenol	NS	< 10	< 20	< 10
4-Chloroaniline	5	< 10	< 20	< 10
4-Chlorophenyl phenyl ether	NS	< 10	< 20	< 10
4-Methylphenol	NS	< 10	< 20	< 10
4-Nitroaniline	5	< 25	< 50	< 25
4-Nitrophenol	NS	< 25	< 50	< 25
Acenaphthene	20	< 10	< 20	< 10
Acenaphthylene	NS	< 10	< 20	< 10
Acetophenone	NS	< 10	< 20	< 10
Anthracene	50	< 10	< 20	< 10
Atrazine	7.5	< 10	< 20	< 10
Benzaldehyde	NS	< 10	< 20	< 10
Benzo(a)anthracene	NS	< 10	< 20	< 10
Benzo(a)pyrene	NS	< 10	< 20	< 10
Benzo(b)fluoranthene	0.002	< 10	< 20	< 10
Benzo(g,h,i)perylene	NS	< 10	< 20	< 10
Benzo(k)fluoranthene	0.002	< 10	< 20	< 10
Bis(2-chloroethoxy)methane	5	< 10	< 20	< 10
Bis(2-chloroethyl)ether	1	< 10	< 20	< 10
Bis(2-ethylhexyl)phthalate	5	< 10	< 20	< 10
Butyl benzyl phthalate	NS	< 10	< 20	< 10
Caprolactam	NS	< 10	< 20	< 10
Carbazole	NS	< 10	< 20	< 10
Chrysene	0.002	< 10	< 20	< 10
Dibenzo(a,h)anthracene	NS	< 10	< 20	< 10
Dibenzofuran	NS	< 10	< 20	< 10
Diethyl phthalate	50	< 10	< 20	< 10
Dimethyl phthalate	50	< 10	< 20	< 10
Di-n-butyl phthalate	50	< 10	< 20	< 10
Di-n-octyl phthalate	50	< 10	< 20	< 10
Fluoranthene	50	< 10	< 20	< 10
Fluorene	50	< 10	< 20	< 10
Hexachlorobenzene	0.04	< 10	< 20	< 10
Hexachlorobutadiene	0.5	< 10	< 20	< 10
Hexachlorocyclopentadiene	5	< 10	< 20	< 10
Hexachloroethane	5	< 10	< 20	< 10
Indeno(1,2,3-c,d)pyrene	0.002	< 10	< 20	< 10
Isophorone	50	< 10	< 20	< 10
Naphthalene	10	< 10	< 20	< 10
Nitrobenzene	0.4	< 10	< 20	< 10
N-Nitrosodi-n-propylamine	NS	< 10	< 20	< 10
N-Nitrosodiphenylamine	50	< 10	< 20	< 10
Pentachlorophenol	NS	< 25	< 50	< 25
Phenanthrene	50	< 10	< 20	< 10
Phenol	NS	< 10	< 20	< 10
Pyrene	50	< 10	< 20	< 10

[1] NYS DEC TOGS 1.1.1, June, 1998
Bolded values signify detection above method detection limit
NS = No Standard
NA = Not Analyzed

Table 8

Total and Dissolved Metals in Groundwater (ug/l)
EPA Method 6010 and 7471
321-325 West 35th Street
New York, NY

ACT Project No.: 7186-NYNY

Sample ID Sample Date	Standard [1]	B1-W 2/25/2013	TW-1 2/25/2013	TW-2 2/25/2013
Total				
Aluminum	100	**250**	**8,000**	**3,720**
Antimony	3	< 60.0	< 60.0	< 60.0
Arsenic	50	< 10.0	< 10.0	< 10.0
Barium	1,000	< 200	**280**	< 200
Beryllium	3	< 5.00	< 5.00	< 5.00
Cadmium	5	< 5.00	< 5.00	< 5.00
Calcium	NS	**306,000**	**135,000**	**55,100**
Chromium	50	< 10.0	**20.0**	**10.0**
Cobalt	5	< 50.0	< 50.0	< 50.0
Copper	200	< 20.0	< 20.0	< 20.0
Iron	300	**310**	**10,400**	**7,810**
Lead	50	**6.83**	**48.4**	**18.2**
Magnesium	35,000	**27,200**	**36,800**	**9,090**
Manganese	300	**190**	**1,320**	**550**
Mercury	0.7	< 0.2	< 0.2	< 0.2
Nickel	100	<40.0	< 40.0	< 40.0
Potassium	NS	**8,950**	**13,400**	**10,100**
Selenium	10	**33.0**	< 5.00	< 5.00
Silver	NS	< 10.0	< 10.0	< 10.0
Sodium	20,000	**41,600**	**228,000**	**34,700**
Thallium	8	< 10.0	< 10.0	< 10.0
Vanadium	14	< 50.0	< 50.0	< 50.0
Zinc	66	< 20.0	< 20.0	**20.0**
Dissolved				
Aluminum	100	< 200	< 200	< 200
Antimony	3	< 60.0	< 60.0	< 60.0
Arsenic	50	< 10.0	< 10.0	< 10.0
Barium	1,000	< 200	< 200	< 200
Beryllium	3	< 5.00	< 5.00	< 5.00
Cadmium	5	< 5.00	< 5.00	< 5.00
Calcium	NS	**317**	**129**	**55,000**
Chromium	50	< 10.0	< 10.0	< 10.0
Cobalt	5	< 50.0	< 50.0	< 50.0
Copper	200	< 20.0	< 20.0	< 20.0
Iron	300	< 20.0	< 20.0	**50.0**
Lead	50	**5.22**	**9.72**	**5.41**
Magnesium	35,000	**28,600**	**32,900**	**7,620**
Manganese	300	**150**	**400**	**50.0**
Mercury	0.7	< 0.20	< 0.20	< 0.20
Nickel	100	< 40.0	< 40.0	< 40.0
Potassium	NS	**9,030**	**10,600**	**9,210**
Selenium	10	**38.0**	< 5.00	< 5.00
Silver	NS	< 10.0	< 10.0	< 10.0
Sodium	20,000	**42,400**	**224,000**	**36,500**
Thallium	8	< 10.0	< 10.0	< 10.0
Vanadium	14	< 50.0	< 50.0	< 50.0
Zinc	66	< 20.0	**30.0**	< 20.0

[1] NYS DEC TOGS 1.1.1, June, 1998
Bolded values signify exceedance of regulatory standard
NS = No Standard
NA = Not Analyzed

Table 9

PCBs and Pesticides in Groundwater (ug/l)
EPA Method 8081/8082
321-325 West 35th Street
New York, NY

ACT Project No.: 7186-NYNY

Sample ID Sample Date	Standard [1]	B1-W 2/25/2013	TW-1 2/25/2013	TW-2 2/25/2013
4,4´-DDD	2.9	< 0.10	< 0.10	< 0.10
4,4´-DDE	2.1	< 0.10	< 0.10	< 0.10
4,4´-DDT	2.1	< 0.10	< 0.10	< 0.10
Aldrin	0.041	< 0.050	< 0.050	< 0.050
alpha-BHC	0.11	< 0.050	< 0.050	< 0.050
alpha-Chlordane	0.05	< 0.050	< 0.050	< 0.050
Aroclor 1016	10	< 1.0	< 1.0	< 1.0
Aroclor 1221	10	< 2.0	< 2.0	< 2.0
Aroclor 1232	10	< 1.0	< 1.0	< 1.0
Aroclor 1242	10	< 1.0	< 1.0	< 1.0
Aroclor 1248	10	< 1.0	< 1.0	< 1.0
Aroclor 1254	10	< 1.0	< 1.0	< 1.0
Aroclor 1260	10	< 1.0	< 1.0	< 1.0
beta-BHC	0.2	< 0.050	< 0.050	< 0.050
delta-BHC	0.3	< 0.050	< 0.050	< 0.050
Dieldrin	0.044	< 0.10	< 0.10	< 0.10
Endosulfan I	0.9	< 0.050	< 0.050	< 0.050
Endosulfan II	0.9	< 0.10	< 0.10	< 0.10
Endosulfan sulfate	1	< 0.10	< 0.10	< 0.10
Endrin	0.1	< 0.10	< 0.10	< 0.10
Endrin aldehyde	NS	< 0.10	< 0.10	< 0.10
Endrin ketone	NS	< 0.10	< 0.10	< 0.10
gamma-BHC	0.06	< 0.050	< 0.050	< 0.050
gamma-Chlordane	0.05	< 0.050	< 0.050	< 0.050
Heptachlor	0.1	< 0.050	< 0.050	< 0.050
Heptachlor epoxide	0.02	< 0.050	< 0.050	< 0.050
Methoxychlor	NS	< 0.50	< 0.50	< 0.50
Toxaphene	0.06	< 5.0	< 5.0	< 5.0

[1] NYS DEC TOGS 1.1.1, June, 1998
NS = No Standard
NA = Not Analyzed

Table 10

Volatile Organic Compounds in Sub-Slab Vapor (ug/m3)
EPA Method TO-15
321-325 West 35th Street
New York, NY

ACT Project No.: 7186-NYNY

Sample ID **Sample Date**	**NYSDOH Guideline [1]**	**SV-1** **3/1/2013**	**SV-2** **3/1/2013**	**SV-3** **3/1/2013**
1,1,1-Trichloroethane	NA	< 1.09	< 1.09	< 1.09
1,1,2,2-Tetrachloroethane	NA	< 1.37	< 1.37	< 1.37
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	< 0.77	< 0.77	< 0.77
1,1,2-Trichloroethane	NA	< 1.09	< 1.09	< 1.09
1,1-Dichloroethane	NA	< 0.81	< 0.81	< 0.81
1,1-Dichloroethene	NA	< 0.79	< 0.79	< 0.79
1,2,4-Trichlorobenzene	NA	**1.48**	**1.48**	**1.71**
1,2,4-Trimethylbenzene	NA	**3.49**	**4.97**	**2.31**
1,2-Dibromoethane	NA	< 1.54	< 1.54	< 1.54
1,2-Dichlorobenzene	NA	< 1.20	< 1.20	< 1.20
1,2-Dichloroethane	NA	< 0.81	< 0.81	< 0.81
1,2-Dichloroethene (cis)	NA	< 0.79	< 0.79	< 0.79
1,2-Dichloroethene (trans)	NA	< 0.79	< 0.79	< 0.79
1,2-Dichloropropane	NA	< 0.92	< 0.92	< 0.92
1,2-Dichlorotetrafluoroethane	NA	< 1.40	< 1.40	< 1.40
1,3,5-Trimethylbenzene	NA	**1.33**	**1.62**	< 0.98
1,3-Butadiene	NA	< 0.44	< 0.44	< 0.44
1,3-Dichlorobenzene	NA	< 1.20	< 1.20	< 1.20
1,3-Dichloropropene (cis)	NA	< 0.91	< 0.91	< 0.91
1,3-Dichloropropene (trans)	NA	< 0.91	< 0.91	< 0.91
1,3-Hexachlorobutadiene	NA	< 2.13	< 2.13	< 2.13
1,4-Dichlorobenzene	NA	< 1.20	< 1.20	< 1.20
1,4-Dioxane	NA	< 0.72	< 0.72	< 0.72
2,2,4-Trimethylpentane	NA	**163**	< 0.93	< 0.93
4-Ethyltoluene	NA	**1.47**	**1.72**	**0.98**
Acetone	NA	**38.2**	**4.16**	**3.82**
Benzene	NA	**1.88**	**1.95**	**1.63**
Bromodichloromethane	NA	< 1.34	**1.61**	**10.2**
Bromoform	NA	< 2.07	< 2.07	< 2.07
Bromomethane	NA	< 0.78	< 0.78	< 0.78
Carbon disulfide	NA	**4.67**	< 0.62	**1.21**
Carbon tetrachloride	NA	< 1.26	< 1.26	< 1.26
Chlorobenzene	NA	< 0.92	< 0.92	< 0.92
Chloroethane	NA	< 0.53	< 0.53	< 0.53
Chloroform	NA	**10.2**	**65.8**	**511**
Chloromethane	NA	< 0.41	< 0.41	< 0.41
Cyclohexane	NA	**51.0**	< 0.69	< 0.69
Dibromochloromethane	NA	< 1.70	< 1.70	< 1.70
Dichlorodifluoromethane	NA	**1.88**	**1.34**	**1.63**
Ethanol	NA	**4.28**	**4.86**	**2.71**
Ethyl acetate	NA	< 0.72	< 0.72	< 0.72
Ethylbenzene	NA	**4.30**	**4.26**	**3.74**
Isopropanol	NA	**1.57**	<0.49	< 0.49
Methyl butyl ketone	NA	< 0.82	< 0.82	< 0.82
Methyl ethyl ketone	NA	**11.0**	**2.09**	**1.24**
Methyl isobutyl ketone	NA	< 0.82	< 0.82	< 0.82
Methyl tert-butyl ether	NA	< 0.72	< 0.72	< 0.72
Methylene chloride	60	**1.67**	**1.71**	**2.91**
n-Heptane	NA	**131**	**3.61**	**2.25**
n-Hexane	NA	**150**	**2.47**	**1.52**
Propylene	NA	**1.02**	**1.00**	**1.12**
Styrene	NA	< 0.85	< 0.85	< 0.85
tert-Butyl Alcohol	NA	< 0.61	**1.67**	< 0.61
Tetrachloroethene	100	**8.14**	**7.12**	**16.3**
Tetrahydrofuran	NA	**2.33**	**2.86**	**1.27**
Toluene	NA	**18.0**	**25.1**	**19.3**
Trichloroethene	5	< 1.07	**1.99**	**2.10**
Trichlorofluoromethane	NA	**1.18**	**1.12**	**1.12**
Vinyl acetate	NA	**330**	< 0.70	< 0.70
Vinyl bromide	NA	< 0.87	< 0.87	< 0.87
Vinyl chloride	NA	< 0.51	< 0.51	< 0.51
Xylenes (m&p)	NA	**9.86**	**10.3**	**8.47**
Xylenes (o)	NA	**3.34**	**3.39**	**2.74**

[1] Table 3.1, NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New
[2] Background values are derived from EPA 2001 Building Assessment and Survey Evaluation
Bolded values signify detection above method detection limit
NA = Not Available

APPENDICES

Appendix 1

Previous Environmental Reports

MERRITT
Environmental
Consulting Corp.

77 Arkay Drive, Suite D, Hauppauge, NY 11788
(631) 617-6200, Fax. 631-617-6201

ALL APPROPRIATE INQUIRY (AAI)
PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

ASTM E1527-05

Site Address	321-325 West 35th Street & 320-328 West 36th Street New York, New York 10001
Prepared for	Raber Enterprises, LLC 175 Canal Street New York, New York 10013 Attn: Mr. Lance Steinberg
Prepared By	Merritt Environmental Consulting Corp. 77 Arkay Drive, Suite D Hauppauge, New York 11788 (631) 617-6200 www.merrittec.com
MECC Project No	Project M7848
Inspection Date	October 8, 2012
Summary Date	October 12, 2012
Final Report Date	October 18, 2012

4.1 EXECUTIVE SUMMARY

Merritt Environmental Consulting Corp. (MECC) was retained by Ruber Enterprises LLC to conduct a Phase I Environmental Site Assessment (LSA) at 321-325 West 35th Street & 320-328 West 36th Street, New York, New York 10001.

The on site investigation was conducted on October 8, 2012.

The current use of the site consists of a vacant office and warehouse building (321 323 West 35th Street) a parking garage driveway (325 West 35th Street) and a parking garage (326-328 West 36th Street).

At the time of our inspection, no access was possible to the building located at 321-323 West 35th Street. However, a prior Phase I Report conducted on February 26, 2001 by Merritt Engineering Consultants (MEC) did not reveal any Areas of Concern (AOCs) within the building.

Based on our site reconnaissance, database review and historical investigation, the following Recognized Environmental Conditions (RECs) were noted at the time of our inspection.

A Recognized Environmental Condition 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 substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under compliance with laws.

The subject property is documented as "E" designated lots at the NYC Department of Buildings:

Lot 55, Tax Block 759
320 West 36th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks' Testing Protocol

Lot 27, Tax Block 759
321 West 35h Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks' Testing Protocol

Lot 26, Tax Block 759
325 West 35th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks* Testing Protocol

The "E" designations would require that the fee owner of the site conduct a testing and sampling protocol and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings. Once approval is granted by the NYCDEP, the work can be performed in accordance to required regulations in order to receive a notice of satisfaction.

As previously outlined, an "E" designation only needs to be complied with during the redevelopment of a site. Part of the "E" designation submittal includes architectural drawings on the proposed development.

The existence of an "E" designation does not automatically assume that any contamination or Underground Storage Tanks (USTs) exist. The "E" designation is a "flag" levied on the site to be further evaluated.

MECC has not been informed of the future usage of the site. Therefore, we cannot comment on the time frame in which the "E" designation would need to be addressed.

In addition, no de minimis conditions were noted.

A de minimis condition is one that generally does not present a material risk of harm to public health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies (excluding local asbestos & lead situations).

NON-SCOPE CONSIDERATIONS

There may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice (the non-scope considerations). Some substances may be present on a property in quantities and under conditions that may lead to contamination of the property or of nearby properties but are not included in CERCLA's definition of hazardous substances (42 U.S.C. §9601(14)) or do not otherwise present potential CERCLA liability. In any case, they are beyond the scope of this practice. There may be standards or protocols for assessment of potential hazards and conditions associated with non-scope conditions developed by governmental entities, professional organizations, or other private entities. Asbestos-Containing Building Materials, Lead Based Paint, and Radon are several non-scope considerations that persons may want to assess in connection with commercial real estate.

	ITEM
1	At the time of our inspection, no access was possible to 321-323 West 35th Street. Based on the age of the building, Asbestos Containing Materials (ACM) and Lead Based Paint (LBP) are assumed to be present. Since the building is currently vacant, any potential ACM and LBP as well as any mold encountered should be addressed during any renovations /redevelopment of the site.

The following Historical Recognized Environmental Conditions (HRECs) were reported:

A Historical Recognized Environmental Condition (HREC) is an environmental condition which in the past would have been considered a Recognized Environmental Condition (REC), but which may or may not be considered a recognized environmental condition currently. Such as a past release of any hazardous substances or petroleum products which has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent).

There are two (2) 550-gallon underground storage tanks (USTs), which have been abandoned in place, located in basement area of 320-328 West 36th Street. The tanks were utilized to house gasoline.

From March 20-22, 2001, proper abandonment of the tanks was conducted. The tanks were drained of gasoline/water mix (approximately 1,100 gallons) and disposed of. Soil samples were taken and analyzed. The results did not indicate any contamination.

On Saturday, March 24, 2001, the tanks were filled with concrete slurry. The slab, which was broken up during the investigation was repaired. A New York City Fire Department Affidavit was filed upon completion of the job.

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4.2) INTRODUCTION

4.2.1 PURPOSE

The report was prepared by Merritt Environmental Consulting Corp., whose purpose is to provide comprehensive Phase I Environmental Site Assessments (ESA) in accordance with American Society of Testing Materials (ASTM E 1527-05) standards for a Phase I Environmental Site Assessment. The survey personnel are trained in the field of Environmental Site inspections as Certified Environmental Specialist (CES) by the Environmental Assessment Association as well as asbestos investigators by the Federal Environmental Protection Agency and NY State.

4.2.2 DETAILED SCOPE OF SERVICES

For the Phase I Environmental Site Assessment (ESA), Merritt Environmental Consulting Corp. performed the following primary tasks:

1. *Physical site inspection by Certified Environmental Specialists (CES) who traversed the interior and exterior areas of the site by foot, in addition to conducting a review of adjacent areas and their exteriors.*
2. *Investigations of historical usage of site based upon:*
   a. *Interview of persons knowledgeable about the sites current and past usage.*
   b. *Review of historical sources provided*
3. *Review of USGS geologic and 7.5 Minute Topographical Maps.*
4. *Review of the federal and state environmental databases as per ASTM E1527-05 guidelines, as well as a review of pertinent information provided by local government records*
5. *Limited survey of site for the presence of electrical transformers that may contain Poly-chlorinated biphenyl (PCBs).*
6. *Limited survey for the presence of friable asbestos containing material (ACM)*
7. *Limited survey of site for the presence of lead based paint surfaces within common areas.*
8. *Inspection of water supply, gas supply, garbage disposal practices, groundwater flow, storm and sanitary discharge methods.*
9. *Review of Radon averages as published by the local and state regulatory agencies.*
10. *Inspection for petroleum storage tanks, above and below grade, stored on site*
11. *Review of report by a senior certified environmental specialist (CES).*
12. *Unless provided with a Bank Scope of Work (SOW) prior to inspection, no other items have been included.*

4.2.3 SIGNIFICANT ASSUMPTIONS

Information and records provided by the client and outside vendors retained by Merritt Environmental Consulting Corp. are assumed to be correct and complete.

4.2.4 LIMITATIONS AND EXCEPTIONS

The contents of this report are correct to our knowledge and belief. This report and conclusions stated herein are, however, limited to actual knowledge based upon a visual inspection of the Property, the examination of readily available public records concerning the current and prior use of the Property, and interviews with individuals knowledgeable about present and past property uses.

Merritt Environmental Consulting Corp. has performed this Phase I Environmental Site Assessment (ESA) of the Property in accordance with the detailed scope of work in section 4.2.2.

Merritt Environmental Consulting Corp. cannot guarantee that the Property is completely free of hazardous substances or other materials or conditions that could subject the Client to potential liability. The presence or absence of any such condition can only be confirmed through the collection and analysis of soil and groundwater samples, as well as through testing building materials that may contain asbestos or lead paint. This is beyond the scope of the investigation.

Merritt Environmental Consulting Corp. has no interest other than professional in this Assessment and neither its performance, nor compensation for same, is contingent upon the findings and recommendations that are represented herein.

Transfer Property Acts

Many states have enacted property transfer laws that require notification of environmental conditions to a buyer. This ESA is not designed to meet those parameters or determine if a transfer act applies to the subject site

4.2.5 SPECIAL TERMS AND CONDITIONS

There are no special terms or conditions to the content of the report that are in addition to the scope outlined in Section 4.2.2.

4.2.6 RELIANCE

This Phase I Assessment was performed at the client's request utilizing methods and procedures that are consistent with acceptable professional standards ASTM-E1527-05

The report has been prepared for the sole use of MECC's client. No other party may use the report without the written authority of MECC.

4.3) SITE DESCRIPTION

4.3.1 LOCATION AND LEGAL DESCRIPTION

The property address is 321-325 West 35th Street & 320-328 West 36th Street. The legal site address is Block 759, Lots 26, 27 & 65. The site is located in the Fashion District section of Manhattan, New York.

4.3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The current site is situated on a plot size 13,511 square feet.

The weather conditions during our on-site inspection consisted of cloudy skies. The temperature was approximately 52°.

4.3.3 CURRENT USE OF THE PROPERTIES

The current use of the site consists of a vacant office and warehouse building (321-323 West 35th Street) a parking garage driveway (325 West 35th Street) and a parking garage (326-328 West 36th Street).

At the time of our inspection, no access was possible to the building located at 321-323 West 35th Street. However, a prior Phase I Report conducted on February 26, 2001 by Merritt Engineering Consultants (MEC) did not reveal any Areas of Concern (AOCs) within the building.

4.3.4 DESCRIPTIONS OF STRUCTURES, ROADS AND OTHER IMPROVEMENTS

A. The current site consists of a vacant 2-story office and warehouse building (321-323 West 35th Street), a parking garage driveway (325 West 35th Street) and a 2-story parking garage with basement and roof top parking (320-328 West 36th Street). The site is located on a plot size approximately 13,511 square feet. There is a basement which houses the utilities located in the parking garage (320-328 West 36th Street). There are no basements or subbasements in the vacant office and warehouse building (321 323 West 35th Street) or driveway (325 West 35th Street).

   At the time of our inspection, no access was possible to the building located at 321-323 West 35th Street. However, a prior Phase I Report conducted on February 26, 2001 by Merritt Engineering Consultants (MEC) did not reveal any Areas of Concern (AOCs) within the building.

B. The site is located on the north side of West 35th Street and south side of West 36th Street between the corners of 9th Avenue and 8th Avenue.

C. There are no working heating systems located in the 2-story parking garage (320-328 West 36th Street). At the time of our inspection, no access was possible to 321-323 West 35th Street, therefore, we cannot comment on the location of the utilities for this building.

D. *STORM AND SANITARY DISCHARGE*

There are no on-site sanitary services such as cesspools or septic tanks located on the property. The sanitary discharge for this site empties into the New York City sewer system.

E. *WATER SUPPLY*

The U.S. Environmental Protection Agency estimates that drinking water can comprise 20% or more of a person's total exposure to lead. Although lead in drinking water is rarely the single cause of lead poisoning, it can significantly increase a person's total lead exposure. Infants who are fed baby formula or drinks mixed with hot water from the tap are the most vulnerable to lead in drinking water. Lead solder can leach into the water supply. Standing water in the piping system can aid in the leaching process.

The EPA action level for lead in drinking water is 15 parts per billion, (PPB).

A sample with lead levels that equal or exceed 15 PPB is considered to have elevated levels of lead, and it is recommended that response action be taken. This response action may include additional testing, replacement of plumbing components, or an operations and maintenance program.

FINDINGS

A 1" copper water main enters the 2-story parking garage (320-328 West 36th Street) from West 36th Street. The main is connected to a water meter located in the basement.

At the time of our inspection, no access was possible to 321-323 West 35th Street, therefore, we cannot comment on the type of water main present.

The domestic water is supplied by New York City through aqueducts from upstate reservoirs.

The parking garage driveway (325 West 35th Street) has no water service.

There are no private ground water wells servicing this property.

No testing of the water was conducted under this scope.

F. *GARBAGE DISPOSAL*

There are currently no active incinerators located on the property. The garbage to be disposed of is placed the front of the 320-328 West 36th Street building in portable cans with covers. These containers are picked up several times per week by private sanitation.

4.3.5 CURRENT USES OF THE ADJOINING PROPERTIES

North	West 36th Street /17-story commercial building
South	West 35th Street /4-story parking garage
East	5-story residential & commercial building
West	5-story residential building

4.4) USER PROVIDED INFORMATION

4.4.1 TITLE RECORDS

No title records were provided.

4.4.2 ENVIRONMENTAL LIENS

Merritt Environmental Consulting Corp. (MECC) has retained Environmental Data Resources (EDR) to conduct an Environmental Lien Search on the site. No environmental liens were indicated (See Appendix A).

4.4.3 SPECIALIZED KNOWLEDGE

No information regarding specialized knowledge was provided.

4.4.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Merritt Environmental Consulting Corp. (MECC) has used the following New York State websites to research information on the subject property:

- NYC Housing and Preservation
- NYC Department of Finance
- NYC Department of Buildings
- PropertyShark.com

4.4.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

No information regarding the valuation reduction for environmental issues was provided by the owner.

4.4.6 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

The current owner of 321-325 West 35th Street is Amon Realty Corp.

The current owner of 320-328 West 36th Street is Abraham Feirstein.

The current use of the site consists of a vacant office and warehouse building (321-323 West 35th Street) a parking garage driveway (325 West 35th Street) and a parking garage (326-328 West 36th Street).

4.4.7 REASON FOR PERFORMING PHASE I

Merritt Environmental Consulting Corp. (MECC) was retained to perform a Phase I Environmental Site Assessment (ESA) as an agent for the buyer (Raber Enterprises, LLC) conducting a due diligence evaluation prior to purchasing site.

4.4.8 OTHER/ADDITIONAL INFORMATION PROVIDED

The following additional information was provided:

- Prior Phase I & Phase II Report was conducted on February 26, 2001 by Merritt Engineering Consultants (MEC)

4.5) RECORDS REVIEW

4.5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

The federal government and New York State have compiled database lists of contaminated, potentially hazardous and regulated sites that may impact the subject property. Environmental Data Resources (EDR) has provided this information to Merritt Environmental Consulting Corp. (MECC).

4.5.2A DATABASE SEARCHES

The following Federal and State databases were reviewed by Merritt Environmental Consulting Corp. (MECC) on October 10, 2012, with the corresponding distance.

FINDINGS

The closest 10 sites have been included in Appendix A.

Due to the density of the area, several of the site printouts have been omitted from the report.

FEDERAL

Database	Radius Searched
1. Federal National Priority List	1 Mile
2. Federal CERCLIS list	½ Mile
3. Federal RCRA TSD facilities list	½ Mile
4. Federal RCRA generators list	Site & Adjacent Properties
5. Federal ERNS list	Site

National Priorities List (NPL) - list compiled by EPA pursuant to CERCLA 42 USC 9605(a)(8)(B) of properties with the highest priority for cleanup pursuant to EPA's Hazard Ranking System

Findings: 1 site located within a 1-mile radius.

Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) - the list of sites compiled by EPA that EPA has investigated or is currently investigating for potential hazardous substance contamination for possible inclusion on the National Priorities List.

Findings: No sites located within a ½-mile radius.

Resource Conservation Recovery Act (RCRA) Treatment Storage Disposal (TSD) facilities - those facilities on which treatment, storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA. Inclusion on the RCRA TSD list does not imply contamination has occurred at the site.

Findings: No sites located within a ½-mile radius.

Resource Conservation Recovery Act (RCRA) generators list - list kept by EPA of those persons or entities that generate hazardous wastes as defined and regulated by RCRA. Inclusion on the RCRA list does not imply contamination has occurred at the site.

Findings: No generators listed at property.
25 generators listed within a ¼-mile radius.

Emergency Response Notification System (ERNS) list - list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR Parts 302 & 355.

Findings: Site not listed.

STATE AND LOCAL RECORDS

Database	Radius Searched
1. State lists of Haz. Waste Sites	1 Mile
2. State landfill/solid waste site lists	½ Mile
3. State leaking tank lists (LTANKS)	½ Mile
4. State registered tanks	Site & Adjacent Properties

Department of Environmental Conservation (DEC) lists the contaminated sites throughout the State and classifies the degree of contamination. Number 1 being highly contaminated; number 5 being the least hazardous to the public.

code:

1. Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or environment - immediate action required;

2. Significant threat to the public health or environment - action required.

2a. Temporary classification assigned to sites that have inadequate and/or insufficient data for inclusion in any of the other classifications;

3. Does not present a significant threat to the public health or the environment - action may be deferred;

4. Site is properly closed - requires continued management.

5. Site is properly closed, no evidence of present or potential adverse impact - no further action is required.

Findings: No sites located within a 1-mile radius.

Solid Waste Disposal Site - any place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term landfill and is also known as a garbage dump, trash dump or by similar terms.

Findings: No sites located within a ¼-mile radius.

Spill Logs/LTANKS list – New York State Department of Environmental Conservation (NYSDEC) has a computerized list of spills that have occurred as of 1986, including the present status of the sites. In addition, the leaking tank (LTANKS) database was also reviewed for reported incidents in the area

Findings: 88 LTANKS located within a ¼-mile radius.

27 NY Spills located within a 1/8-mile radius.

State registered tanks - state lists of storage tanks required to be registered under Subtitle I, Section 9002 of RCRA.

Findings: No registered tanks located on site.
167 registered tank sites located within a 1/8-mile radius.

E Designation- According to a NYCDOB memorandum (12/23/03), "E" designated lots are amendments to the New York City Zoning Maps that may include environmental designations of certain tax lots that have physical or historical evidence of uses related to hazardous materials. Zoning Resolution 11-15 provides that the Department of Buildings may not issue a building permit for work on a tax lot labeled "E", until the Department of Buildings is provided with a report from the Department of Environmental Protection stating that the environmental requirements for the lot have been met.

Findings: **The subject property is listed as an "E" designated lot.**

Lot 56, Tax Block 759
320 West 36th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks' Testing Protocol

Lot 27, Tax Block 759
321 West 35h Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks' Testing Protocol

Lot 26, Tax Block 759
325 West 35th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks' Testing Protocol

The "E" designations would require that the fee owner of the site conduct a testing and sampling protocol and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings. Once approval is granted by the NYCDEP, the work can be performed in accordance to required regulations in order to receive a notice of satisfaction.

As previously outlined, an "E" designation only needs to be complied with during the redevelopment of a site. Part of the "E" designation submittal includes architectural drawings on the proposed development.

MECC has not been informed of the future usage of the site. Therefore, we cannot comment on the time frame in which the "E" designation would need to be addressed.

The existence of an "E" designation does not automatically assume that any contamination or Underground Storage Tanks (USTs) exist. The "E" designation is a "flag" levied on the site to be further evaluated.

4.5.2 ADDITIONAL RECORDS SEARCHED

Database	Radius Searched
1. Indian Reservation	1 Mile
2. Indian LUST	½ Mile
3. Indian UST	¼ Mile

The subject site is not listed in any of the additional database searches provided by Environmental Data Resources (EDR). No other environmental records were researched.

4.5.2B ORPHAN SITES

Our database review indicated several sites that cannot be positively plotted (orphan sites). A total of 20 sites were classified as orphans.

The subject site does not appear on the orphan list.

4.5.3 PHYSICAL SETTING SOURCES

A. BODIES OF WATER

The nearest body of water to the subject site is the Hudson River, which is approximately ½ mile west of the site.

B. GROUND WATER FLOW

Through information provided by EDR, hydrological data involving ground water flow has been obtained. Based on our findings, the hydrological groundwater flows in a westerly direction eventually emptying into the Hudson River.

Groundwater in this area is at a depth of approximately 39 feet.

Drinking water for the five boroughs has been supplied by the New York reservoir system for many years (See Map in Appendix A). Groundwater is not a primary source of drinking water for Manhattan.

C. ECOLOGICAL SENSITIVE AREA

Based on information provided by Environmental Data Resources (EDR), no designated wetlands are located in the immediate vicinity of the property.

SITE GEOLOGY AND TOPOGRAPHY

Information pertaining to the hydrogeologic setting in the vicinity of the subject property was obtained from a review of selected published documents and maps. United States Geological Survey (USGS) 7.5-minute Topographic Maps were used to characterize surface topography, water table elevation and drainage. Subsurface characteristics were obtained from USGS Surficial and Bedrock Geology Maps from the lower Hudson Sheet.

4.5.4 HISTORICAL USE INFORMATION ON THE PROPERTY

A. Sanborn Fire Insurance maps of the site and immediate area were available for the years 1890, 1899, 1911, 1930, 1950, 1968, 1979, 1980, 1982, 1984, 1985, 1987, 1988, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 2001, 2002, 2003, 2004 and 2005. The maps indicate the following information:

321-323 West 35th Street

1890-1899 Sub-divided lots
1911-1930 Stores /Dwellings
1950 Freight Depot
1968-2005 Commercial Warehouse Building (Apparel Carriers)

325 West 35th Street

1890-1899 Sub-divided lots
1911-1930 Stores /Dwellings
1950-2005 Commercial building

320-328 West 36th Street

1890-1899 Sub-divided lots
1911-1930 Stores /Dwellings
1950 Stores /Dwellings
1968-2005 Parking Garage

B. Aerial Photographs of the site and immediate area were available for the years 1924, 1943, 1954, 1966, 1975, 1984, 1994, 1995, 2006 and 2008. The photos indicate the following Information:

This section of Manhattan has been developed with residential and commercial buildings from 1924 through the latest aerial photo available (2008).

C. City Directories

City Directories were ordered for the site (See Appendix A). The search indicated the following:

321-323 West 35th Street

1920-1947 Address Not Listed in Research Source
1950 Levy Leon Candy Store
1956 Midtown Food Shoppe / Posner Max J Service, Inc.
1958 Amer Consolidating, Inc. / Posner Max J Service, Inc.
1968 Posner Max J Service, Inc. /Trucking /Post Consolidators, Inc.
1973-2000 Bal-Gem Trucking Corp. /MLB Delivery Corp. /Newmark Hurwitz Trucking Corp. /R & I Express, Inc. /Ricky Express Delivery Corp.
2006 No Current Listing
2012 Heli Trucker

325 West 35th Street

1920-1934 Address Not Listed in Research Source
1938-1942 Pastorino Cerolamo Rms
1947 De Giovanni Nino Furn Rms
1950-1956 Mrs. Dora Giovanelli
1968 Advance Jewelry Corp.
1973-2012 Address Not Listed in Research Source

320-328 West 36th Street

1920-1923 Address Not Listed in Research Source
1927-1938 Residential Occupants
1942-1978 Address Not Listed in Research Source
1983 Action JV /South Eastern Printing Co. /Braunstein Express Co., Inc.
1988-1998 Address Not Listed in Research Source
2000-2007 Wizard Parking
2012 West 36th Operating, LLC

D. Topographic Maps

A topographic map (topo) is a color coded line-and-symbol representation of natural and selected artificial features plotted to a scale. Topos show the shape, elevation, and development of the terrain in precise detail by using contour lines and color coded symbols. The colors of the lines usually indicate similar classes of information. For example, topographic contours (brown); lakes, streams, irrigation ditches, etc. (blue); land grids and important roads (red); secondary roads and trails, railroads, boundaries, etc. (black).

Historical topographic maps are a valuable historical resource for documenting the prior use of a property and its surrounding area.

Topographic Maps of the site and immediate area were available for the years 1891, 1897, 1900, 1903, 1905, 1940, 1947, 1955, 1956, 1966, 1967, 1979, 1981, 1995.

4.5.4A DATA GAPS

No significant data gaps were noted within the historical research conducted by Merritt Environmental Consulting Corp (MECC).

4.5.5 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

The above historical sources were reviewed by Merritt Environmental Consulting Corp. (MECC) for the adjoining properties on the north, south, east & west.

4.6) SITE RECONNAISSANCE

4.6.1 METHODOLOGY AND LIMITING CONDITIONS

At the time of our inspection, the following areas of 325 West 35th Street and 320-328 West 36th Street were accessed by Mr. John Perotti, of our staff: basement parking area, ground floor, 2nd floor and roof top parking areas, utilities areas and all accessible exterior areas of the site.

At the time of our inspection, no access was possible to the building located at 321-323 West 36th Street. However, a prior Phase I Report conducted on February 26, 2001 by Merritt Engineering Consultants (MEC) did not reveal any Areas of Concern (AOCs) within the building.

4.6.2 GENERAL SITE SETTING

North side of West 35th Street
South side of West 36th Street
Topography is flat

4.6.3 EXTERIOR OBSERVATIONS

No potential environmental conditions such as, dead vegetation, gas/chemical spills or storage drums were observed throughout the exterior areas at the time of our inspection.

4.6.4 INTERIOR OBSERVATIONS

The interior inspection of 325 West 35th Street and 320-328 West 36th Street revealed no evidence of any on-site staining of petroleum products, chemicals, or other hazardous materials.

Hydraulic equipment was observed in the basement area of the parking garage at 320-328 West 36th Street. The unit operates the ground floor hydraulic parking lifts.

At the time of our inspection, no access was possible to the building located at 321-323 West 36th Street. However, a prior Phase I Report conducted on February 26, 2001 by Merritt Engineering Consultants (MEC) did not reveal any Areas of Concern (AOCs) within the building.

4.6.5 UNDERGROUND STORAGE TANKS (UST) AND DRUMS

Each year, thousands of petroleum leaks and spills are reported to the Department of Environmental Conservation (DEC) / Department of Environmental Protection (DEP). Thousands of others may go unreported mainly because they have not yet been discovered. These leaks can enter the ground, seep into an aquifer and contaminate a water supply. In some places, water wells have been closed down and people have had to vacate their homes. Even small amounts of petroleum in soil or groundwater can be tasted or smelled and can subsequently affect health

Leaking petroleum storage tanks are a major source of groundwater contamination. The DEC/DEP estimates that there may be as many as 185,000 tanks storing petroleum, which are subject to state regulations. Many of these tanks are bare steel and were installed underground in the 1950s and 1960s. These tanks have weakened by rust and have a fifty percent chance of developing leaks.

FINDINGS

There are two (2) 550-gallon underground storage tanks (USTs), which have been abandoned in place, located in basement area of 320-328 West 36th Street. The tanks were utilized to house gasoline.

From March 20-22, 2001, proper abandonment of the tanks was conducted. The tanks were drained of gasoline/water mix (approximately 1,100 gallons) and disposed of. Soil samples were taken and analyzed. The results did not indicate any contamination.

On Saturday, March 24, 2001, the tanks were filled with concrete slurry. The slab, which was broken up during the investigation was repaired. A New York City Fire Department Affidavit was filed upon completion of the job.

4.6.6 ABOVEGROUND STORAGE TANKS (AST)

No aboveground tanks or storage drums were observed in any of the accessible areas at the time of our inspection.

4.6.7 ELECTRICAL TRANSFORMERS (PCBs)

Transformers often contain poly-chlorinated biphenyl (PCB) Askarel coolant liquid and are generally used in hazardous locations where flammability is of concern. PCB transformers are no longer produced because of EPA's ban on the manufacture of new equipment containing PCBs. However, older equipment does remain in certain areas and may contain PCBs.

As of January, 1979, Polychlorinated Biphenyls (PCB) and other toxic materials used in fluorescent ballasts were phased out. Any building constructed prior to 1979 may contain PCB in minor quantities and is not considered a major health throat.

Further evaluation goes beyond the scope of a Phase I Environmental Report. Should you need any additional information, a technical engineer may be contacted for assistance.

FINDINGS

No electrical transformers were observed on the property.

As per the Toxic Substance Control Act (TSCA), the transformer owner, i.e. the utility company, is responsible for all transformer maintenance and all spills of PCBs from their transformers.

Fluorescent light fixtures were not inspected for PCB content under the scope of this assessment.

4.6.8 NATURAL GAS

The site does not utilize natural gas.

4.6.9 VAPOR ENCROACHMENT /VAPOR INTRUSION CONDITION

A Vapor Encroachment Condition (VEC) is defined by ASTM E2600-10 as "the presence or likely presence of contaminant of concern (COC) vapors in the subsurface of the Target Property (TP) caused by the release of vapors from the contaminated soil or groundwater or both either on or near the TP".

Vapor Intrusion (VI) occurs when contaminant of concern (COC) vapors enter a structure from the subsurface and impact the indoor air quality (IAQ) of a building. At high enough concentrations, vapor intrusion may present a health risk to the building's occupants.

MECC conducted a review of historical resources and regulatory database listings to identify any potential sources of contamination at the subject site that may result in Vapor Encroachment or Vapor Intrusion. In addition, MECC has reviewed available information for surrounding properties within the appropriate search distances to identify potential sources of a VEC/VIC at the subject site.

This is not intended to meet the criteria of a Vapor Encroachment Screen (VES) as outlined by ASTM E2600-10 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transaction. This is beyond the scope of a Phase I ESA.

FINDINGS:

The subject property is listed as an "E" designated lot.

Lot 55, Tax Block 759
320 West 36th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks' Testing Protocol

Lot 27, Tax Block 759
321 West 35th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks' Testing Protocol

Lot 26, Tax Block 759
325 West 35th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks' Testing Protocol

The "E" designations would require that the fee owner of the site conduct a testing and sampling protocol and remediation where appropriate, to the satisfaction of the NYCDEP

before the issuance of a building permit by the Department of Buildings. Once approval is granted by the NYCDEP, the work can be performed in accordance to required regulations in order to receive a notice of satisfaction.

As previously outlined, an "E" designation only needs to be complied with during the redevelopment of a site. Part of the "E" designation submittal includes architectural drawings on the proposed development.

MECC has not been informed of the future usage of the site. Therefore, we cannot comment on the time frame in which the "E" designation would need to be addressed.

The existence of an "E" designation does not automatically assume that any contamination or Underground Storage Tanks (USTs) exist. The "E" designation is a "flag" levied on the site to be further evaluated.

Based on the fact that the site is "E" designated, consideration should be given to the potential for a Vapor Encroachment/Intrusion Condition (VEC/VIC). A Focused Sub-surface Investigation (FSSI) including soil and groundwater sampling will aide in determining if any sub-surface impacts are present and can better define whether a VEC exists at the site.

4.6.10 NON-SCOPE ASTM CONSIDERATIONS

There may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice (the non scope considerations). Some substances may be present on a property in quantities and under conditions that may lead to contamination of the property or of nearby properties but are not included in CERCLA's definition of hazardous substances (42 U.S.C. §9601(14)) or do not otherwise present potential CERCLA liability. In any case, they are beyond the scope of this practice. There may be standards or protocols for assessment of potential hazards and conditions associated with non-scope conditions developed by governmental entities, professional organizations, or other private entities. Asbestos-Containing Building Materials, Lead Based Paint, and Radon are several non-scope considerations that persons may want to assess in connection with commercial real estate.

A. ASBESTOS

The EPA has identified over 3,000 products used in buildings containing asbestos fibers. Our inspection of the premises is to determine the presence of **friable asbestos**, as defined by the Federal Environmental Protection Agency as any material, which may be pulverized with hand pressure. This material has the potential to release asbestos fibers into the atmosphere and in turn may be hazardous to the building occupants' health.

We have not inspected for or included in our report any building materials, which may contain non-friable asbestos such as vinyl asbestos floor tiles, exterior asbestos shingles, asbestos roofing felts, etc. Many of these materials are still manufactured today and not considered hazardous unless the material is cut, sawed, or grounded in a manner that might release asbestos fibers into the atmosphere.

We have used the 4-category system as defined by Asbestos Hazardous Emergency Response Act (AHERA) to designate the different conditions of asbestos noted throughout the areas of the site. This report is not designed to meet the AHERA protocols.

1. *Good Condition*
   Material with no visible damage or deterioration to very limited damage or deterioration.

2. *Fair Condition*
   Material with one or more of the following characteristics:
   - *A few water stains or less than one tenth of insulation with missing jackets.*
   - *Crushed insulation or water stains, gouges, puncture or mars on up to one tenth of the insulation if the damage is evenly distributed (or up to one quarter if the damage is localized).*

3. *Poor Condition*
   Material with one or more of the following characteristics:
   - *Missing jackets on at least one tenth of the piping equipment.*
     Crushed or heavily gouged or punctured insulation on at least one tenth of pipe runs/risers, boiler, tank duct, etc., if the damage is evenly distributed (one quarter if the damage is localized).

4. <u>Significantly Damaged</u>

Thermal systems insulation on pipes, boilers, tanks, ducts, and other thermal system insulation equipment which the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, water-stained, gouged, punctured, missing, or not intact such that is not able to contain fibers. Damage may be further illustrated by occasional puncture, gouges, or other signs of physical injury to ACM; occasional water damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris, originating from the ACM in question may also indicate damage.

ASBESTOS FINDINGS

No friable asbestos containing material was observed in any of the accessible areas of the 325 West 35th Street and 320-328 West 36 Street.

At the time of our inspection, no access was possible to 321-323 West 35th Street. Based on the age of the building, Asbestos Containing Materials (ACM) are assumed to be present. Since the building is currently vacant, any potential ACM should be addressed during any renovations /redevelopment of the site.

Many buildings' fireproofing is concealed in a plenum above the ceiling. These areas were not accessible and, therefore, we are unable to determine the type of fireproofing for those areas above the first floor.

B. *LEAD BASED PAINT*

Lead-based paint (LBP) was used extensively in buildings and structures that were constructed prior to 1978 and can be hazardous when damaged (i.e., chipped, broken, crumbling, pulverized); lead is toxic to humans particularly to children, if ingested, inhaled, or otherwise absorbed. Exposure to lead can cause health problems in children ranging from damage to the brain and nervous system, behavioral and learning problems (such as hyperactivity), slowed growth, hearing problems and headaches. In adults the health problems can range from difficulties during pregnancy, other reproductive problems, high blood pressure, digestive problems, nerve disorders, memory and concentration problems and muscle and joint pain.

Our research indicates the buildings were constructed **prior to 1978**, and lead based paint is assumed to be present throughout the buildings.

FINDINGS

The painted surface in the common areas inspected by Merritt Environmental Consulting Corp's staff did not demonstrate signs of peeling or cracking. No samples of the paint were analyzed since this is beyond the scope of this Assessment.

At the time of our inspection, no access was possible to 321-323 West 35th Street. Based on the age of the building, Lead Based Paint (LBP) are assumed to be present. Since the building is currently vacant, any potential LBP encountered should be addressed during any renovations /redevelopment of the site.

Research of the Housing Preservation and Development (HPD) Department records did not reveal any lead based paint violations against the subject site (See Appendix A).

In addition, the site is not used for residential purposes.

A lead based paint survey in accordance with The Housing & Urban Development (HUD) guidelines was not conducted under the scope of this assessment.

C. MOLD

Our on-site inspection did not reveal any visible evidence of mold or mold spores in any of the accessible areas inspected.

At the time of our inspection, no access was possible to 321-323 West 35th Street. Since the building is currently vacant, any mold encountered should be addressed during any renovations /redevelopment of the site.

D. RADON

Radon first gained national attention in early 1984, when extremely high levels of indoor radon were found in areas of Connecticut, Pennsylvania, New Jersey, and New York. Radon is a colorless, odorless radioactive gas. Nearly one out of every 15 homes in the U.S. is estimated to have elevated annual average levels of indoor radon. EPA established a Radon Program in 1985 to assist States and homeowners in reducing their risk of lung cancer from indoor radon.

FINDINGS

The New York State Department of Health indicates the average radon level for this area of Manhattan to be 1.4 picocuries per liter (pCi/L), which is below the EPA action level of 4 pCi/L.

A radon canister was not initiated at the time of our inspection since this is beyond the scope of this assessment.

4.7) INTERVIEWS

4.7.1 INTERVIEW WITH OWNER

The owner was not present during our inspection.

4.7.2 INTERVIEW WITH SITE REPRESENTATIVE

During our on-site visit, we interviewed Mr. David Kalush, who is the broker with Massey Knakal

Copies of the above records of communications are included in Appendices, Section 10.6.

4.7.3 INTERVIEWS WITH OCCUPANTS (TENANTS)

No other individuals were interviewed regarding the facility

4.7.4 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

We are researching the New York Health & Fire Department records for any information of hazardous operations including, past spills, leaks or violations. The information has not yet been provided. We will forward any information that appears to impact the scope of this assessment.

Research of the New York City Building Department indicated the following:

The subject property is documented as an "E" designated lot at the NYC Department of Buildings. According to a NYCDOB memorandum (12/23/03), "E" designated lots are amendments to the New York City Zoning Maps that may include environmental designations of certain tax lots that have physical or historical evidence of uses related to hazardous materials. Zoning Resolution 11-15 provides that the Department of Buildings may not issue a building permit for work on a tax lot labeled "E", until the Department of Buildings is provided with a report from the Department of Environmental Protection stating that the environmental requirements for the lot have been met.

The process to remove an "E" designation and receive a notice of satisfaction includes the following:

- **Submitting a work plan to the New York City Department of Environmental Protection**
- **Conducting a sub-surface investigation**
- **Submit results to the New York City Department of Environmental Protection**

The process can take several months and cost over $20,000 to satisfy the requirement for removing an "E" designation. However, the "E" designation is only addressed during the redevelopment of a site.

The "E" designations would require that the fee owner of the site conduct a testing and sampling protocol and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings. Once approval is granted by the NYCDEP, the work can be performed in accordance to required regulations in order to receive a notice of satisfaction.

As previously outlined, an "E" designation only needs to be complied with during the redevelopment of a site. Part of the "E" designation submittal includes architectural drawings on the proposed development.

MECC has not been informed of the future usage of the site. Therefore, we cannot comment on the time frame in which the "E" designation would need to be addressed.

The existence of an "E" designation does not automatically assume that any contamination or Underground Storage Tanks (USTs) exist. The "E" designation is a "flag" levied on the site to be further evaluated.

4.7.5 INTERVIEWS WITH OTHERS

No additional interviews were conducted as part of this assessment.

A questionnaire was forwarded to Mr. Lance Steinberg on October 5, 2012. We have not yet received a completed questionnaire (See Appendix A).

4.8) REPORT FINDINGS

Based on our site reconnaissance, database review and historical investigation, the following Recognized Environmental Conditions (RECs) were noted at the time of our inspection.

A Recognized Environmental Condition 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 substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under compliance with laws.

The subject property is documented as "E" designated lots at the NYC Department of Buildings:

Lot 55, Tax Block 759
320 West 36th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks* Testing Protocol

Lot 27, Tax Block 759
321 West 35h Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks* Testing Protocol

Lot 26, Tax Block 759
325 West 35th Street
E-No. E-137
Effective Date: 01/19/05
Satisfaction date: Not Reported
Description: Window Wall Attenuation & Alternate Ventilation, Underground Gasoline Storage Tanks* Testing Protocol

The "E" designations would require that the fee owner of the site conduct a testing and sampling protocol and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings. Once approval is granted by the NYCDEP, the work can be performed in accordance to required regulations in order to receive a notice of satisfaction.

As previously outlined, an "E" designation only needs to be complied with during the redevelopment of a site. Part of the "E" designation submittal includes architectural drawings on the proposed development.

The existence of an "E" designation does not automatically assume that any contamination or Underground Storage Tanks (USTs) exist. The "E" designation is a "flag" levied on the site to be further evaluated.

MECC has not been informed of the future usage of the site. Therefore, we cannot comment on the time frame in which the "E" designation would need to be addressed.

In addition, no de minimis conditions were noted.

A de minimis condition is one that generally does not present a material risk of harm to public health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies (excluding local asbestos & lead situations).

NON-SCOPE CONSIDERATIONS

There may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice (the non-scope considerations). Some substances may be present on a property in quantities and under conditions that may lead to contamination of the property or of nearby properties but are not included in CERCLA's definition of hazardous substances (42 U.S.C. §9601(14) or do not otherwise present potential CERCLA liability. In any case, they are beyond the scope of this practice. There may be standards or protocols for assessment of potential hazards and conditions associated with non-scope conditions developed by governmental entities, professional organizations, or other private entities. Asbestos-Containing Building Materials, Lead-Based Paint, and Radon are several non-scope considerations that persons may want to assess in connection with commercial real estate.

	ITEM
1	At the time of our inspection, no access was possible to 321-323 West 35th Street. Based on the age of the building, Asbestos Containing Materials (ACM) and Lead Based Paint (LBP) are assumed to be present. Since the building is currently vacant, any potential ACM and LBP as well as any mold encountered should be addressed during any renovations /redevelopment of the site.

The following Historical Recognized Environmental Conditions (HRECs) were reported:

A Historical Recognized Environmental Condition (HREC) is an environmental condition which in the past would have been considered a Recognized Environmental Condition (REC), but which may or may not be considered a recognized environmental condition currently. Such as a past release of any hazardous substances or petroleum products which has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent).

There are two (2) 550-gallon underground storage tanks (USTs), which have been abandoned in place, located in basement area of 320-328 West 36th Street. The tanks were utilized to house gasoline.

From March 20-22, 2001, proper abandonment of the tanks was conducted. The tanks were drained of gasoline/water mix (approximately 1,100 gallons) and disposed of. Soil samples were taken and analyzed. The results did not indicate any contamination.

On Saturday, March 24, 2001, the tanks were filled with concrete slurry. The slab, which was broken up during the investigation was repaired. A New York City Fire Department Affidavit was filed upon completion of the job.

4.9 OPINIONS

Based on our site reconnaissance, database review, historical review and interviews with persons familiar with the subject site and adjacent properties, the above Recognized Environmental Conditions (RECs) and non-scope considerations were identified under the scope of services outlined in Section 4.2.2.

Based on our site reconnaissance, database review, historical review and interviews with persons familiar with the subject site and adjacent properties, no de minimis conditions were identified under the scope of services outlined in Section 4.2.2.

The following Historical Recognized Environmental Conditions (HRECs) were reported:

There are two (2) 550-gallon underground storage tanks (USTs), which have been abandoned in place, located in basement area of 320-328 West 36th Street. The tanks were utilized to house gasoline.

From March 20-22, 2001, proper abandonment of the tanks was conducted. The tanks were drained of gasoline/water mix (approximately 1,100 gallons) and disposed of. Soil samples were taken and analyzed. The results did not indicate any contamination.

On Saturday, March 24, 2001, the tanks were filled with concrete slurry. The slab, which was broken up during the investigation was repaired. A New York City Fire Department Affidavit was filed upon completion of the job.

4.10 CONCLUSION

Merritt Environmental Consulting Corp has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E1527 of 321-325 West 35th Street and 320-328 West 36th Street, New York, New York 10001, the property. Any exceptions to, or deletions from, this practice are described in Section (4.2.2) of this report.

4.11 DEVIATIONS

The assessment was performed in accordance with the ASTM 1527-05 Standards as well as the detailed scope of services outlined in section 4.2.2 of this report.

4.12 ADDITIONAL SERVICES

No additional services were performed beyond the detailed scope of services in section 4.2.2.

4.13 REFERENCES

All references relied upon are located in Appendix A.

4.14 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

We thank you for allowing Merritt Environmental Consulting Corp., to serve as your Environmental Consultant for this project. We declare that, to the best our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312, and

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the "All Appropriate Inquiries" in conformance with the standards and practices set forth in 40 CFR Part 312.

Should you have any questions regarding the contents of this report, please feel free to contact us to discuss the report in further detail.

Site Inspector:

John Perotti
Certified Environmental Specialist

Reviewed by:

Charles G. Merritt
Certified Environmental Specialist /LEED AP

4.15 QUALIFICATIONS

See Appendix A

CHARLES G. MERRITT
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CES

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November 15, 2012

Mr. Lance Steinberg
Landmark Realty, LLC and Run 178th, LLC
175 Canal Street
New York, NY 10013

Re: 321-325 West 35th Street (Block 759; Lots 27 & 26) & 320-328 West 36th Street (Block 759; Lot 55), Manhattan, NY

Dear Mr. Steinberg:

This letter is intended to provide you with the results of the recent investigation conducted at the above referenced Site. Hydro Tech performed all portions of the fieldwork on November 1st, 2012.

The investigation consisted of the installation and sampling of one soil probe at each of the above referenced lots to evaluate the general soil environmental quality at this property. Soil probes SP-1 and SP-2 were installed to 16 feet below the slab on grade of the buildings at Lot 27 and Lot 26, respectively. Soil probe SP-3 was installed to 3 feet below the cellar slab of the building at Lot 55.

The soil encountered was characterized as medium compacted sand with pebbles. Evidence of fill material from zero to the 10 feet below grade was identified in SP-1. No groundwater was encountered during the installation of soil probes. No detectable organic vapors were noted during the screening with a PID. **Figure 1** provides a sampling plan. **Attachment #1** provides soil probe logs.

Consistent with the Hazmat E-designation sampling protocol assigned to this property two soil samples were collected from each soil probe. Those selected included a shallow soil sample from zero to 2 feet in all soil probes, the 2-3 foot sample from SP-3 and the 14 to 16 foot sample from SP-1 and SP-2. All soil samples were analyzed for volatile organic compounds (VOCs) via EPA Method 8260, semi-volatile organic compounds (SVOCs) via Method EPA 8270, Pesticides/PCBs via EPA Method 8081/8082 and TAL Metals. **Attachment #2** provides laboratory analytical report.

Table 1 and **Table 2** provide soil samples analytical data. Laboratory analytical results indicate the presence of the VOC acetone in shallow soil in SP-1 at a concentration above the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective (SCO). SVOCs consisting of Polycyclic Aromatic Hydrocarbons (PAHs) are present in shallow soil from SP-1 at concentrations less than their respective SCOs. Heavy metals including lead and zinc are present in shallow soil from SP-1 at concentrations exceeding their respective SCO. Selenium and zinc are present in the soil beneath the cellar at Lot 55 (SP-3) at concentrations exceeding their respective SCOs. No Pesticides or PCBs were detected in any of the soil samples at concentrations exceeding their respective method detection limit.

The overall impacts identified at the property are consistent with the presence of soil/fill material that was identified at lot 27 from zero to 10 feet below grade. This fill material will have to be properly handled and

disposed of during any future development of the Site. Additionally, in accordance with CEQR requirements, site development will require Investigation Plan(s) and Remedial Action Plan(s) be performed with NYCOER approval.

I hope this information has proven valuable to this phase of your assessment of this project. Should you have any questions please do not hesitate to contact me at your convenience

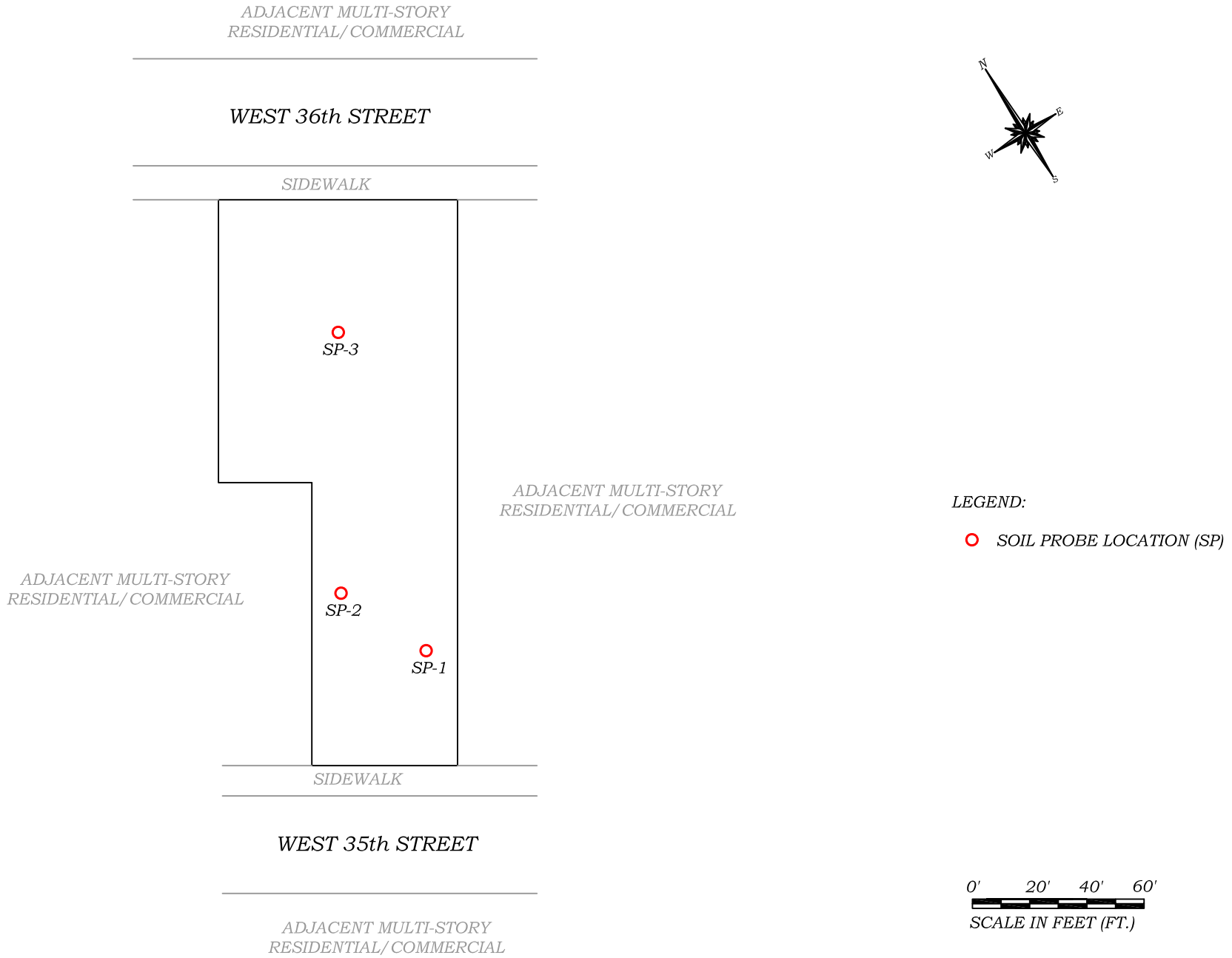
Very Truly Yours,
Hydro Tech Environmental, Corp.

Paul I. Matli
Senior Project Manager

PM/sc
Enc.

cc: HTE File #120210

FIGURES



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321 - 325 West 35th Street
New York, NY
HTE Job# 120210

Drawn By: C.Q.
Reviewed By: M.R
Approved By: M.S
Date: 11/06/12
Scale: AS NOTED

TITLE:

FIGURE 1: SITE & SAMPLING PLAN

TABLES

Table 1

Soil Samples Organic Analytical Results

321-325 West 35th Street & 320-328 West 36th STreet, New York, NY

SampleID	SP-1 (0'-2')	SP-1 (14'-16')	SP-2 (0'-2')	SP-2 (14'-16')	SP-3 (0'-2')	SP-3 (2'-3')	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential
Sampling Date	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012		
ClientMatrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/Kg	mg/Kg
Volatile Organics, 8260 List								
1,1,1,2-Tetrachloroethane	<0.0015	<0.0015	<0.0014	<0.0015	<0.0075	<0.0015	NS	NS
1,1,1-Trichloroethane	<0.00027	<0.00026	<0.00025	<0.00028	<0.0014	<0.00027	0.68	100
1,1,2,2-Tetrachloroethane	<0.0021	<0.0021	<0.0020	<0.0022	<0.011	<0.0021	NS	NS
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<0.00070	<0.00068	<0.00065	<0.00072	<0.0035	<0.00070	NS	NS
1,1,2-Trichloroethane	<0.0016	<0.0016	<0.0015	<0.0017	<0.0081	<0.0016	NS	NS
1,1-Dichloroethane	<0.0011	<0.0010	<0.0010	<0.0011	<0.0054	<0.0011	0.27	19
1,1-Dichloroethylene	<0.00088	<0.00085	<0.00082	<0.00090	<0.0044	<0.00087	0.33	100
1,1-Dichloropropylene	<0.00099	<0.00096	<0.00092	<0.0010	<0.0050	<0.00098	NS	NS
1,2,3-Trichlorobenzene	<0.0011	<0.0011	<0.0011	<0.0012	<0.0058	<0.0011	NS	NS
1,2,3-Trichloropropane	<0.0015	<0.0015	<0.0014	<0.0016	<0.0076	<0.0015	NS	NS
1,2,4-Trichlorobenzene	<0.0014	<0.0014	<0.0013	<0.0015	<0.0072	<0.0014	NS	NS
1,2,4-Trimethylbenzene	<0.0012	<0.0011	<0.0011	<0.0012	<0.0059	<0.0012	3.6	47
1,2-Dibromo-3-chloropropane	<0.0029	<0.0028	<0.0027	<0.0029	<0.014	<0.0029	NS	NS
1,2-Dibromoethane	<0.00085	<0.00082	<0.00079	<0.00086	<0.0043	<0.00084	NS	NS
1,2-Dichlorobenzene	<0.00093	<0.00090	<0.00086	<0.00095	<0.0047	<0.00092	1.1	100
1,2-Dichloroethane	<0.0011	<0.0010	<0.0010	<0.0011	<0.0054	<0.0011	0.02	2.3
1,2-Dichloropropane	<0.00086	<0.00083	<0.00080	<0.00088	<0.0043	<0.00085	NS	NS
1,3,5-Trimethylbenzene	<0.00095	<0.00093	<0.00089	<0.00098	<0.0048	<0.00095	8.4	47
1,3-Dichlorobenzene	<0.0012	<0.0012	<0.0012	<0.0013	<0.0062	<0.0012	2.4	17
1,3-Dichloropropane	<0.0014	<0.0013	<0.0013	<0.0014	<0.0069	<0.0014	NS	NS
1,4-Dichlorobenzene	<0.0015	<0.0015	<0.0014	<0.0016	<0.0078	<0.0015	1.8	9.8
1,4-Dioxane	<0.028	<0.027	<0.026	<0.029	<0.14	<0.028	0.1	9.8
2,2-Dichloropropane	<0.0010	<0.00097	<0.00093	<0.0010	<0.0050	<0.0010	NS	NS
2-Butanone	<0.0019	<0.0018	<0.0018	<0.0019	<0.0095	<0.0019	0.12	100
2-Chlorotoluene	<0.00086	<0.00084	<0.00081	<0.00088	<0.0044	<0.00086	NS	NS
4-Chlorotoluene	<0.0011	<0.0011	<0.0010	<0.0011	<0.0055	<0.0011	NS	NS
Acetone	**0.066**	<0.014	<0.013	<0.014	<0.071	<0.014	0.05	100
Benzene	<0.0011	<0.0010	<0.00099	<0.0011	<0.0053	0.001	0.06	2.9
Bromobenzene	<0.0014	<0.0014	<0.0013	<0.0014	<0.0070	<0.0014	NS	NS
Bromochloromethane	<0.00084	<0.00081	<0.00078	<0.00086	<0.0042	0.00083	NS	NS
Bromodichloromethane	<0.0016	<0.0015	<0.0015	<0.0016	<0.0080	<0.0016	NS	NS
Bromoform	<0.0010	<0.00098	<0.00094	<0.0010	<0.0051	<0.0010	NS	NS
Bromomethane	<0.0024	<0.0023	<0.0022	<0.0024	<0.012	<0.0024	NS	NS
Carbon tetrachloride	<0.0010	<0.0010	<0.00098	<0.0011	<0.0053	<0.0010	0.76	1.4
Chlorobenzene	<0.0011	<0.0010	<0.00098	<0.0011	<0.0053	<0.0010	1.1	100
Chloroethane	<0.0012	<0.0012	<0.0011	<0.0012	<0.0060	<0.0012	NS	NS
Chloroform	<0.0011	<0.0010	<0.0010	<0.0011	<0.0054	<0.0011	0.37	10
Chloromethane	<0.0012	<0.0011	<0.0011	<0.0012	<0.0059	<0.0012	NS	NS
cis-1,2-Dichloroethylene	<0.00062	<0.00060	<0.00058	<0.00064	<0.0031	<0.00062	0.25	59
cis-1,3-Dichloropropylene	<0.00098	<0.00095	<0.00091	<0.0010	<0.0049	<0.00097	NS	NS
Dibromochloromethane	<0.0012	<0.0012	<0.0012	<0.0013	<0.0062	<0.0012	NS	NS
Dibromomethane	<0.0014	<0.0013	<0.0013	<0.0014	<0.0068	<0.0013	NS	NS
Dichlorodifluoromethane	<0.00098	<0.00095	<0.00092	<0.0010	<0.0049	<0.00098	NS	NS
Ethyl Benzene	<0.00062	<0.00061	<0.00058	<0.00064	<0.0031	<0.00062	1	30

Hexachlorobutadiene	<0.0015	<0.0014	<0.0014	<0.0015	<0.0074	<0.0015	NS	NS
Isopropylbenzene	<0.0011	<0.0011	<0.0011	<0.0012	<0.0057	<0.0011	NS	NS
Methyl tert-butyl ether (MTBE)	<0.00079	<0.00077	<0.00074	<0.00081	<0.0040	<0.00078	0.93	62
Methylene chloride	<0.0019	<0.0019	<0.0018	<0.0020	<0.0097	<0.0019	0.05	51
n-Butylbenzene	<0.00094	<0.00091	<0.00088	<0.00096	<0.0047	<0.00093	12	100
n-Propylbenzene	<0.00089	<0.00087	<0.00083	<0.00091	<0.0045	<0.00089	3.9	100
Naphthalene	<0.0023	<0.0022	<0.0022	<0.0024	<0.012	<0.0023	12	100
o-Xylene	<0.00079	<0.00076	<0.00073	<0.00081	<0.0040	<0.00078	NS	NS
p- & m- Xylenes	<0.0020	<0.0019	<0.0019	<0.0020	<0.010	<0.0020	NS	NS
p-Isopropyltoluene	<0.00065	<0.00063	<0.00061	<0.00067	<0.0033	<0.00065	NS	NS
sec-Butylbenzene	<0.0010	<0.00097	<0.00093	<0.0010	<0.0050	<0.00099	11	100
Styrene	<0.00071	0.00069	<0.00066	<0.00073	<0.0036	<0.00071	NS	NS
tert-Butylbenzene	<0.0010	<0.00097	<0.00094	<0.0010	<0.0051	<0.0010	5.9	100
Tetrachloroethylene	<0.0011	<0.0011	<0.0011	<0.0012	<0.0058	<0.0011	1.3	5.5
Toluene	<0.00083	<0.00080	<0.00077	<0.00084	<0.0042	<0.00082	0.7	100
trans-1,2-Dichloroethylene	<0.0011	<0.0011	<0.0010	<0.0011	<0.0056	<0.0011	0.19	100
trans-1,3-Dichloropropylene	<0.0011	<0.0011	<0.0010	<0.0011	<0.0056	<0.0011	NS	NS
Trichloroethylene	<0.0011	<0.0010	<0.00099	<0.0011	<0.0053	<0.0011	0.47	10
Trichlorofluoromethane	<0.00076	<0.00074	<0.00071	<0.00078	<0.0038	<0.00075	NS	NS
Vinyl acetate	<0.0019	<0.0019	<0.0018	<0.0020	<0.0098	<0.0019	NS	NS
Vinyl Chloride	<0.00059	<0.00057	<0.00055	<0.00060	<0.0029	<0.00058	0.02	0.21
Xylenes, Total	<0.0013	<0.0012	<0.0012	<0.0013	<0.0064	<0.0013	0.26	100
Total VOCs	**0.066**	ND	ND	ND	ND	ND	NS	NS
Semi-Volatiles, 8270 Target List								
1,2,4-Trichlorobenzene	<0.0650	<0.0633	<0.0606	<0.0659	<0.0626	<0.0643	NS	NS
1,2-Dichlorobenzene	<0.117	<0.114	<0.110	<0.119	<0.113	<0.116	1.1	100
1,3-Dichlorobenzene	<0.0567	<0.0553	<0.0529	<0.0575	<0.0546	<0.0561	2.4	17
1,4-Dichlorobenzene	<0.111	<0.108	<0.103	<0.112	<0.106	<0.109	1.8	9.8
2,4,5-Trichlorophenol	<0.139	<0.136	<0.130	<0.141	<0.134	<0.138	NS	NS
2,4,6-Trichlorophenol	<0.0912	<0.0888	<0.0851	<0.0925	<0.0878	<0.0902	NS	NS
2,4-Dichlorophenol	<0.146	<0.143	<0.137	<0.149	<0.141	<0.145	NS	NS
2,4-Dimethylphenol	<0.126	<0.122	<0.117	<0.127	<0.121	<0.124	NS	NS
2,4-Dinitrophenol	<0.151	<0.147	<0.141	<0.153	<0.145	<0.149	NS	NS
2,4-Dinitrotoluene	<0.0794	<0.0773	<0.0740	<0.0805	<0.0764	<0.0785	NS	NS
2,6-Dinitrotoluene	<0.0923	<0.0899	<0.0861	<0.0936	<0.0888	<0.0913	NS	NS
2-Chloronaphthalene	<0.0969	<0.0944	<0.0905	<0.0983	<0.0933	<0.0959	NS	NS
2-Chlorophenol	<0.0592	<0.0577	<0.0553	<0.0601	<0.0570	<0.0586	NS	NS
2-Methylnaphthalene	<0.138	<0.134	<0.129	<0.140	<0.133	<0.136	NS	NS
2-Methylphenol	<0.0682	<0.0665	<0.0637	<0.0692	<0.0657	<0.0675	0.33	100
2-Nitroaniline	<0.157	<0.152	<0.146	<0.159	<0.151	<0.155	NS	NS
2-Nitrophenol	<0.0488	<0.0476	<0.0456	<0.0495	<0.0470	<0.0483	NS	NS
3,3'-Dichlorobenzidine	<0.0941	<0.0916	<0.0878	<0.0954	<0.0905	<0.0931	NS	NS
3- & 4-Methylphenols	<0.0779	<0.0759	<0.0727	<0.0790	<0.0750	<0.0771	NS	NS
3-Nitroaniline	<0.178	<0.174	<0.167	<0.181	<0.172	<0.177	NS	NS
4,6-Dinitro-2-methylphenol	<0.226	<0.220	<0.211	<0.229	<0.218	<0.224	NS	NS
4-Bromophenyl phenyl ether	<0.0865	<0.0843	<0.0807	<0.0878	<0.0833	<0.0856	NS	NS
4-Chloro-3-methylphenol	<0.121	<0.118	<0.113	<0.123	<0.116	<0.120	NS	NS
4-Chloroaniline	<0.0467	<0.0455	<0.0436	<0.0473	<0.0449	<0.0462	NS	NS
4-Chlorophenyl phenyl ether	<0.105	<0.102	<0.0982	<0.107	<0.101	<0.104	NS	NS
4-Nitroaniline	<0.0743	<0.0724	<0.0693	<0.0754	<0.0715	<0.0735	NS	NS
4-Nitrophenol	<0.0675	<0.0658	<0.0630	<0.0685	<0.0650	<0.0668	NS	NS
Acenaphthene	<0.0650	<0.0633	<0.0606	<0.0659	<0.0626	<0.0643	20	100

Acenaphthylene	<0.0862	<0.0839	<0.0804	<0.0874	<0.0829	<0.0852	NS	100
Aniline	<0.103	<0.100	<0.0958	<0.104	<0.0988	<0.102	NS	NS
Anthracene	<0.0980	<0.0955	<0.0915	<0.0994	<0.0943	<0.0970	100	100
Benzo(a)anthracene	**0.229**	<0.0654	<0.0626	<0.0681	<0.0646	<0.0664	1	1
Benzo(a)pyrene	**0.296**	<0.0693	<0.0663	<0.0721	<0.0684	<0.0703	1	1
Benzo(b)fluoranthene	**0.178** J	<0.147	<0.140	<0.153	<0.145	<0.149	1	1
Benzo(g,h,i)perylene	**0.144** J	<0.0581	<0.0556	<0.0605	<0.0574	<0.0590	100	100
Benzo(k)fluoranthene	**0.261**	<0.175	<0.168	<0.182	<0.173	<0.178	0.8	1
Benzyl alcohol	<0.180	<0.175	<0.168	<0.182	<0.173	<0.178	NS	NS
Benzyl butyl phthalate	<0.0991	<0.0965	<0.0925	<0.101	<0.0954	<0.0980	NS	NS
Bis(2-chloroethoxy)methane	<0.0618	<0.0602	<0.0576	<0.0626	<0.0594	<0.0611	NS	NS
Bis(2-chloroethyl)ether	<0.0916	<0.0892	<0.0854	<0.0929	<0.0881	<0.0906	NS	NS
Bis(2-chloroisopropyl)ether	<0.0632	<0.0616	<0.0590	<0.0641	<0.0608	<0.0625	NS	NS
Bis(2-ethylhexyl)phthalate	<0.124	<0.121	<0.116	<0.126	<0.119	<0.123	NS	NS
Chrysene	**0.251**	<0.0804	<0.0771	<0.0838	<0.0795	<0.0817	1	1
Di-n-butyl phthalate	<0.0729	<0.0710	<0.0680	<0.0739	<0.0702	<0.0721	NS	NS
Di-n-octyl phthalate	<0.180	<0.175	<0.168	<0.182	<0.173	<0.178	NS	NS
Dibenzo(a,h)anthracene	<0.0722	<0.0703	<0.0673	<0.0732	<0.0695	<0.0714	0.33	0.33
Dibenzofuran	<0.0837	<0.0815	<0.0781	<0.0849	<0.0805	<0.0828	7	14
Diethyl phthalate	<0.113	<0.110	<0.105	<0.114	<0.109	<0.112	NS	NS
Dimethyl phthalate	<0.0801	<0.0780	<0.0747	<0.0812	<0.0771	<0.0792	NS	NS
Fluoranthene	**0.353**	<0.102	<0.0982	<0.107	<0.101	<0.104	100	100
Fluorene	<0.0862	<0.0839	<0.0804	<0.0874	<0.0829	<0.0852	30	100
Hexachlorobenzene	<0.106	<0.103	<0.0988	<0.107	<0.102	<0.105	0.33	0.33
Hexachlorobutadiene	<0.0607	<0.0591	<0.0566	<0.0616	<0.0584	<0.0600	NS	NS
Hexachlorocyclopentadiene	<0.134	<0.130	<0.125	<0.135	<0.129	<0.132	NS	NS
Hexachloroethane	<0.0513	<0.0500	<0.0479	<0.0521	<0.0494	<0.0508	NS	NS
Indeno(1,2,3-cd)pyrene	**0.108** J	<0.0797	<0.0764	<0.0830	<0.0788	<0.0810	0.5	0.5
Isophorone	<0.0618	<0.0602	<0.0576	<0.0626	<0.0594	<0.0611	NS	NS
N-nitroso-di-n-propylamine	<0.0600	<0.0584	<0.0559	<0.0608	<0.0577	<0.0593	NS	NS
N-Nitrosodimethylamine	<0.0736	<0.0717	<0.0687	<0.0747	<0.0708	<0.0728	NS	NS
N-Nitrosodiphenylamine	<0.0811	<0.0790	<0.0757	<0.0823	<0.0781	<0.0803	NS	NS
Naphthalene	<0.0442	<0.0430	<0.0412	<0.0448	<0.0425	<0.0437	12	100
Nitrobenzene	<0.0528	<0.0514	<0.0492	<0.0535	<0.0508	<0.0522	NS	NS
Pentachlorophenol	<0.135	<0.132	<0.126	<0.137	<0.130	<0.134	0.8	2.4
Phenanthrene	**0.299**	<0.0913	<0.0874	<0.0951	<0.0902	<0.0927	100	100
Phenol	<0.0776	<0.0755	<0.0724	<0.0787	<0.0746	<0.0767	0.33	100
Pyrene	**0.604**	<0.0714	<0.0683	<0.0743	<0.0705	<0.0725	100	100
Pyridine	**2.723**	<0.123	<0.118	<0.128	<0.121	<0.125	NS	NS
Pesticides/PCBs, EPA 8081/8082 List								
4,4'-DDD	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	0.0033	2.6
4,4'-DDE	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	0.0033	1.8
4,4'-DDT	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	0.0033	1.7
Aldrin	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	0.005	0.019
alpha-BHC	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	0.02	0.097
Aroclor 1016	<0.0183	<0.0178	<0.0171	<0.0186	<0.0176	<0.0181	NS	NS
Aroclor 1221	<0.0183	<0.0178	<0.0171	<0.0186	<0.0176	<0.0181	NS	NS
Aroclor 1232	<0.0183	<0.0178	<0.0171	<0.0186	<0.0176	<0.0181	NS	NS
Aroclor 1242	<0.0183	<0.0178	<0.0171	<0.0186	<0.0176	<0.0181	NS	NS
Aroclor 1248	<0.0183	<0.0178	<0.0171	<0.0186	<0.0176	<0.0181	NS	NS
Aroclor 1254	<0.0183	<0.0178	<0.0171	<0.0186	<0.0176	<0.0181	NS	NS

Aroclor 1260	<0.0916	<0.0178	<0.0171	<0.0186	<0.0176	<0.0181	NS	NS
beta-BHC	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	0.036	0.072
Chlordane, total	<0.00711	<0.00693	<0.00663	<0.00721	<0.00684	<0.00703	NS	NS
delta-BHC	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	0.04	100
Dieldrin	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	0.005	0.039
Endosulfan I	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	2.4	4.8
Endosulfan II	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	2.4	4.8
Endosulfan sulfate	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	2.4	4.8
Endrin	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	0.014	2.2
Endrin aldehyde	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	NS	NS
Endrin ketone	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	NS	NS
gamma-BHC (Lindane)	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	0.1	0.28
Heptachlor	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	0.042	0.42
Heptachlor epoxide	<0.00178	<0.00173	<0.00166	<0.00180	<0.00171	<0.00176	NS	NS
Methoxychlor	<0.00889	<0.00866	<0.00829	<0.00901	<0.00855	<0.00879	NS	NS
Total PCBs	<0.00732	<0.00714	<0.00683	<0.00743	<0.00705	<0.00725	0.1	1
Toxaphene	<0.0899	<0.0876	<0.0839	<0.0912	<0.0866	<0.0890	NS	NS

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

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

Dark grey shaded cell represent a concentration exceeding the Unrestricted Use SCO

Table 2
Soil Metals Inorganic Analytical Results
321-325 West 35th Street & 320-328 West 36th STreet, New York, NY

SampleID	SP-1 (0'-2')	SP-1 (14'-16')	SP-2 (0'-2')	SP-2 (14'-16')	SP-3 (0'-2')	SP-3 (2'-3')	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential
Sampling Date	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012		
ClientMatrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/kg dry	mg/Kg	mg/Kg
Aluminum	**9640**	<5280	<2000	<5750	<5400	<12500	NS	NS
Antimony	**0.237**	<0.231	<0.221	<0.240	<0.228	<0.234	NS	NS
Arsenic	**8.10**	<1.05	**1.16**	**1.23**	**1.58**	**3.28**	13	16
Barium	**172**	<22.6	**16.0**	**56.2**	**55.2**	**108**	350	350
Beryllium	<0.108	<0.105	<0.101	<0.109	<0.104	<0.107	7.2	14
Cadmium	<0.108	<0.105	<0.101	<0.109	<0.104	<0.107	2.5	2.5
Calcium	**23600**	**1450**	**571**	**1430**	**19500**	**2010**	NS	NS
Chromium	**18.1**	**19.2**	**4.58**	**12.0**	**11.5**	**4.84**	NS	NS
Cobalt	**6.23**	**4.10**	**2.14**	**5.80**	**4.18**	**9.44**	NS	NS
Copper	**30.6**	**11.0**	**3.11**	**14.5**	**12.0**	**11.5**	50	270
Iron	**14800**	**6640**	**6750**	**12900**	**8030**	**26400** E	NS	NS
Lead	**1320** B	**4.65** B	**9.12** B	**4.99** B	**15.2** B	**9.97** B	63	400
Magnesium	**3720**	**1490**	**743**	**2390**	**5820**	**7360**	NS	NS
Manganese	**230**	**68.8**	**81.3**	**449**	**178**	**615**	1600	2000
Nickel	**19.8**	**12.9**	**7.43**	**17.3**	**14.6**	**17.7**	30	140
Potassium	**1270**	**1020**	**687**	**1670**	**1650**	**8290**	NS	NS
Selenium	**3.17**	**1.45**	**1.18**	**2.22**	**1.75**	**4.35**	3.9	36
Silver	<0.108	<0.105	<0.101	<0.109	<0.104	<0.107	2	36
Sodium	**535**	**160**	**239**	**227**	**851**	**502**	NS	NS
Thallium	<0.345	<0.336	<0.322	<0.350	<0.332	<0.341	NS	NS
Vanadium	**24.3**	**19.2**	**7.44**	**28.1**	**12.8**	**31.5**	NS	NS
Zinc	**198**	**12.9**	**7.66**	**20.7**	**37.2**	**139**	109	2200
Mercury	<0.101	<0.0986	<0.0945	<0.103	<0.0975	<0.100	0.18	0.81

B=analyte found in the analysis batch blank
NS=this indicates that no regulatory limit has been established for this analyte
Dark grey shaded cell represent a concentration exceeding the Unrestricted Use SCO
Light grey shaded cell represent a concentration exceeding the Unrestricted Use SCO and Restricted residential SCO

ATTACHMENT #1

SOIL PROBE LOGS

Hydro Tech Environmental, Corp.

Main Office
77 Arkay Street, Suite G
Hauppauge, New York 11788
T (631) 462-5866 · F (631) 462-5877

NYC Office
15 Ocean Avenue, 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

www.hydrotechenvironmental.com

Soil Probe Log

Job No:	120210	Date: 11/1/2012	Page: 1 of 1
Location:	321-325 West 35th Street Manhattan, NY	Sampling Interval:	2 Feet
		Sampling Method:	Grab
Boring No.:	SP-1	Driller:	Efrain
Drilling Method:	Direct Push	Depth to Water:	28-34 feet bgs
Total Depth:	16 Feet below grade (bgs)		

USCS SYMBOLS

GW - Well Graded Gravel
GP - Poorly Graded Gravel
GM - Silty Gravel
GC - Clayey Gravel
SW - Well Graded Sand
SP - Poorly Graded Sand
SM - Silty Sand
SC - Clayey Sand
ML - Inorganic Silt / Sandy Silt
CL - Inorganic Clays/Sandy Clay
OL - Inorganic Silts/Organic Silty Clay
MH- Elastic Silts
CH - Inorganic Clay, High Plastic
OH - Organic Silt / Clay
PT - Peat/High Organics

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.1	SP	Concrete, brown medium grained sand with backfill material and pebbles. No odor
-2	0.1	SP	Brown medium grained sand with backfill material and pebbles. No odor
-4	0.1	SP	S.A.B.
-6	0.1	SP	S.A.B.
-8	0.1	SP	Brown medium grained sand with pebbles. No odor
-10	0.1	SP	S.A.B.
-12	0.1	SP	S.A.B.
-14	0.1	SP	S.A.B.
-16			

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Soil Probe Log

Job No:	120210	Date: 11/1/2012	Page: 1 of 1
Location:	321-325 West 35th Street Manhattan, NY	Sampling Interval:	2 Feet
		Sampling Method:	Grab
Boring No.:	SP-2	Driller:	Efrain
Drilling Method:	Direct Push	Depth to Water:	28-34 feet bgs
Total Depth:	16 Feet below grade (bgs)		

USCS SYMBOLS

GW - Well Graded Gravel
SW - Well Graded Sand
ML - Inorganic Silt / Sandy Silt
CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel
SP - Poorly Graded Sand
CL - Inorganic Clays/Sandy Clay
OH - Organic Silt / Clay
GM - Silty Gravel
SM - Silty Sand
OL - Inorganic Silts/Organic Silty Clay
PT - Peat/High Organics
GC - Clayey Gravel
SC - Clayey Sand
MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.1	SP	Concrete, brown medium grained sand with pebbles. No odor
-2	0.1	SP	Brown medium grained sand with pebbles. No odor
-4	0.1	SP	S.A.B.
-6	0.1	SP	S.A.B.
-8	0.1	SP	S.A.B.
-10	0.1	SP	S.A.B.
-12	0.1	SP	S.A.B.
-14	0.1	SP	S.A.B.
-16			

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Soil Probe Log

Job No:	120210	Date: 11/1/2012	Page: 1 of 1
Location:	320-328 West 36th Street Manhattan, NY	Sampling Interval:	2 Feet
		Sampling Method:	Grab
Boring No.:	SP-3	Driller:	Efrain
Drilling Method:	Direct Push	Depth to Water:	28-34 feet bgs
Total Depth:	3 Feet below cellar slab		

USCS SYMBOLS

GW - Well Graded Gravel
SW - Well Graded Sand
ML - Inorganic Silt / Sandy Silt
CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel
SP - Poorly Graded Sand
CL - Inorganic Clays/Sandy Clay
OH - Organic Silt / Clay
GM - Silty Gravel
SM - Silty Sand
OL - Inorganic Silts/Organic Silty Clay
PT - Peat/High Organics
GC - Clayey Gravel
SC - Clayey Sand
MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.1	SW	Concrete, brown medium grained sand with pebbles and rocks. No odor
-2	0.1	SW	Brown medium grained sand with pebbles and rocks. No odor

ATTACHMENT #2

LABORATORY ANALYTICAL REPORT

Technical Report

prepared for:

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Muslima Ward

Report Date: 11/07/2012
Client Project ID: #120210 321 W. 35th St.
York Project (SDG) No.: 12K0043

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: 11/07/2012
Client Project ID: #120210 321 W. 35th St.
York Project (SDG) No.: 12K0043

Hydro Tech Environmental (Hauppauge)
77 Arkay Drive, Suite G
Hauppauge NY, 11788
Attention: Muslima Ward

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 November 02, 2012 and listed below. The project was identified as your project: **#120210 321 W. 35th St.**.

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
12K0043-01	SP-1 (0'-2')	Soil	11/01/2012	11/02/2012
12K0043-02	SP-1 (14'-16')	Soil	11/01/2012	11/02/2012
12K0043-03	SP-2 (0'-2')	Soil	11/01/2012	11/02/2012
12K0043-04	SP-2 (14'-16')	Soil	11/01/2012	11/02/2012
12K0043-05	SP-3 (0'-2')	Soil	11/01/2012	11/02/2012
12K0043-06	SP-3 (2'-3')	Soil	11/01/2012	11/02/2012

General Notes for York Project (SDG) No.: 12K0043

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:** 11/07/2012

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-1 (0'-2')** **York Sample ID:** **12K0043-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **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	1.5	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	0.27	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/kg dry	0.70	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	0.88	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	0.99	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.1	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.5	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.4	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	0.85	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	0.93	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.86	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.95	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.4	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.5	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	28	110	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.9	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	0.86	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
67-64-1	Acetone	**66**		ug/kg dry	14	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
71-43-2	Benzene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.4	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	0.84	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
75-25-2	Bromoform	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-1 (0'-2')** **York Sample ID:** **12K0043-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **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
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
67-66-3	Chloroform	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	0.62	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.98	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.4	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	0.98	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.62	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.5	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.79	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
75-09-2	Methylene chloride	ND		ug/kg dry	1.9	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.3	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.94	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	0.89	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
95-47-6	o-Xylene	ND		ug/kg dry	0.79	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	2.0	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.65	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
100-42-5	Styrene	ND		ug/kg dry	0.71	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
108-88-3	Toluene	ND		ug/kg dry	0.83	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	0.76	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	0.59	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	1.3	32	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.9	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 02:40	SS

Surrogate Recoveries	Result	Acceptance Range

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-1 (0'-2')** **York Sample ID:** **12K0043-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: VOA-CO] **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
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*			*72.6-129*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.5 %*			*63.5-145*						
2037-26-5	*Surrogate: Toluene-d8*	*98.3 %*			*81.2-127*						

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	65.0	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	86.2	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
62-53-3	Aniline	ND		ug/kg dry	103	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
120-12-7	Anthracene	ND		ug/kg dry	98.0	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
56-55-3	Benzo(a)anthracene	**229**		ug/kg dry	67.1	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
50-32-8	Benzo(a)pyrene	**296**		ug/kg dry	71.1	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
205-99-2	Benzo(b)fluoranthene	**178**	J	ug/kg dry	150	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
191-24-2	Benzo(g,h,i)perylene	**144**	J	ug/kg dry	59.6	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	180	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
207-08-9	Benzo(k)fluoranthene	**261**		ug/kg dry	180	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	99.1	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	86.5	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	121	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.7	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	61.8	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	91.6	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	63.2	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	124	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	96.9	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	59.2	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	105	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
218-01-9	Chrysene	**251**		ug/kg dry	82.6	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	72.2	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	83.7	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	72.9	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	117	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	111	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	56.7	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	94.1	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-1 (0'-2')** **York Sample ID:** **12K0043-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **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
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	146	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	113	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	126	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	80.1	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	226	359	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	157	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	151	359	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	92.3	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	79.4	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	180	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
206-44-0	Fluoranthene	**353**		ug/kg dry	105	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
86-73-7	Fluorene	ND		ug/kg dry	86.2	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	106	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	60.7	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	134	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	51.3	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
193-39-5	Indeno(1,2,3-cd)pyrene	**108**	J	ug/kg dry	81.9	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
78-59-1	Isophorone	ND		ug/kg dry	61.8	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	138	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	68.2	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	77.9	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
91-20-3	Naphthalene	ND		ug/kg dry	44.2	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	178	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	74.3	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	52.8	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	67.5	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.8	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	60.0	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	73.6	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	81.1	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	135	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
85-01-8	Phenanthrene	**299**		ug/kg dry	93.7	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
108-95-2	Phenol	ND		ug/kg dry	77.6	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
129-00-0	Pyrene	**604**		ug/kg dry	73.2	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SP-1 (0'-2') **York Sample ID:** 12K0043-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **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
110-86-1	Pyridine	ND		ug/kg dry	126	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	65.0	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	139	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	91.2	180	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 18:51	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*17.3 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*34.8 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*48.7 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*43.9 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*35.7 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*69.5 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	89.9	89.9	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.89	8.89	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
72-20-8	Endrin	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.11	7.11	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
309-00-2	Aldrin	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.78	1.78	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	91.6	91.6	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:21	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-1 (0'-2')** **York Sample ID:** **12K0043-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **VOA-CO]** **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
11097-69-1	Aroclor 1254	ND		ug/kg dry	18.3	18.3	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:36	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	18.3	18.3	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:36	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	18.3	18.3	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:36	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	18.3	18.3	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:36	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	18.3	18.3	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:36	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	18.3	18.3	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:36	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.32	18.3	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:36	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*85.2 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*66.7 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**9640**		mg/kg dry	1.10	2.15	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-36-0	Antimony	ND		mg/kg dry	0.237	0.539	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-38-2	Arsenic	**8.10**		mg/kg dry	0.366	1.08	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-39-3	Barium	**172**		mg/kg dry	0.140	0.539	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.108	0.539	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-70-2	Calcium	**23600**		mg/kg dry	0.043	5.39	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-47-3	Chromium	**18.1**		mg/kg dry	0.129	0.539	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-48-4	Cobalt	**6.23**		mg/kg dry	0.086	0.539	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-50-8	Copper	**30.6**		mg/kg dry	0.129	0.539	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7439-89-6	Iron	**14800**		mg/kg dry	0.700	2.15	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7439-92-1	Lead	**1320**	B	mg/kg dry	0.183	0.323	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7439-95-4	Magnesium	**3720**		mg/kg dry	0.485	5.39	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7439-96-5	Manganese	**230**		mg/kg dry	0.118	1.08	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-02-0	Nickel	**19.8**		mg/kg dry	0.140	0.539	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-09-7	Potassium	**1270**		mg/kg dry	3.64	10.8	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7782-49-2	Selenium	**3.17**		mg/kg dry	0.539	0.539	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-22-4	Silver	ND		mg/kg dry	0.108	0.539	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-23-5	Sodium	**535**		mg/kg dry	5.68	10.8	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-28-0	Thallium	ND		mg/kg dry	0.345	0.539	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-62-2	Vanadium	**24.3**		mg/kg dry	0.118	0.539	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW
7440-66-6	Zinc	**198**		mg/kg dry	0.097	0.539	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 19:27	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SP-1 (0'-2') **York Sample ID:** 12K0043-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Mercury by 7470/7471

Log-in Notes: VOA-CO **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	0.101	0.108	1	EPA SW846-7471	11/05/2012 08:20	11/05/2012 15:49	AA

Total Solids

Log-in Notes: VOA-CO **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	**92.8**		%	0.100	0.100	1	SM 2540G	11/05/2012 15:21	11/05/2012 15:21	JCC

Sample Information

Client Sample ID: SP-1 (14'-16') **York Sample ID:** 12K0043-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: VOA-CO **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	1.5	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	0.26	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11	ND		ug/kg dry	0.68	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	0.85	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	0.96	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.1	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.5	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.4	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	0.82	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	0.90	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.83	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.93	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.3	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-1 (14'-16')** **York Sample ID:** **12K0043-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **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
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.5	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	27	100	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	0.97	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.8	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	0.84	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
67-64-1	Acetone	ND		ug/kg dry	14	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
71-43-2	Benzene	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.4	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	0.81	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
75-25-2	Bromoform	ND		ug/kg dry	0.98	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.2	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
67-66-3	Chloroform	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	0.60	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.95	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.2	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.3	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	0.95	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.61	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.4	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.77	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
75-09-2	Methylene chloride	ND		ug/kg dry	1.9	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.2	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.91	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	0.87	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
95-47-6	o-Xylene	ND		ug/kg dry	0.76	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.9	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.63	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-1 (14'-16')** **York Sample ID:** **12K0043-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: VOA-CO] **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
135-98-8	sec-Butylbenzene	ND		ug/kg dry	0.97	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
100-42-5	Styrene	ND		ug/kg dry	0.69	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	0.97	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
108-88-3	Toluene	ND		ug/kg dry	0.80	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	0.74	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	0.57	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	1.2	31	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.9	21	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:18	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.4 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*98.9 %*	*81.2-127*

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	63.3	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	83.9	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
62-53-3	Aniline	ND		ug/kg dry	100	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
120-12-7	Anthracene	ND		ug/kg dry	95.5	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	65.4	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	69.3	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	147	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	58.1	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	175	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	175	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	96.5	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	84.3	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	118	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.5	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	60.2	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-1 (14'-16')** **York Sample ID:** **12K0043-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **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
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	89.2	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	61.6	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	121	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	94.4	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	57.7	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	102	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
218-01-9	Chrysene	ND		ug/kg dry	80.4	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	70.3	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	81.5	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	71.0	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	114	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	108	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	55.3	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	91.6	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	143	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	110	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	122	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	78.0	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	152	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	220	350	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	147	350	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	89.9	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	77.3	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	175	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
206-44-0	Fluoranthene	ND		ug/kg dry	102	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
86-73-7	Fluorene	ND		ug/kg dry	83.9	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	103	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	59.1	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	130	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	50.0	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	79.7	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
78-59-1	Isophorone	ND		ug/kg dry	60.2	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	134	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	66.5	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-1 (14'-16')** **York Sample ID:** **12K0043-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Semi-Volatiles, 8270 Target List

Log-in Notes: **VOA-CO]** **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
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	75.9	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
91-20-3	Naphthalene	ND		ug/kg dry	43.0	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	174	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	72.4	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	51.4	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	65.8	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.6	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	58.4	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	71.7	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	79.0	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	132	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
85-01-8	Phenanthrene	ND		ug/kg dry	91.3	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
108-95-2	Phenol	ND		ug/kg dry	75.5	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
129-00-0	Pyrene	ND		ug/kg dry	71.4	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
110-86-1	Pyridine	ND		ug/kg dry	123	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	63.3	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	136	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	88.8	175	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:24	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*85.5 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*1.18 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*83.9 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*56.7 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*66.6 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*109 %*	*30-130*

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-1 (14'-16')** **York Sample ID:** **12K0043-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Pesticides/PCBs, EPA 8081/8082 List **Log-in Notes:** **VOA-CO** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	87.6	87.6	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.66	8.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
72-20-8	Endrin	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.93	6.93	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
309-00-2	Aldrin	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.73	1.73	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:37	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:56	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:56	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:56	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:56	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:56	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:56	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	17.8	17.8	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:56	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.14	17.8	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 00:56	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*76.4 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.3 %*	*30-150*

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-1 (14'-16')** **York Sample ID:** **12K0043-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Metals, Target Analyte

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**5280**		mg/kg dry	1.07	2.10	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-36-0	Antimony	ND		mg/kg dry	0.231	0.525	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-38-2	Arsenic	**1.05**		mg/kg dry	0.357	1.05	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-39-3	Barium	**22.6**		mg/kg dry	0.136	0.525	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.105	0.105	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.105	0.525	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-70-2	Calcium	**1450**		mg/kg dry	0.042	5.25	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-47-3	Chromium	**19.2**		mg/kg dry	0.126	0.525	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-48-4	Cobalt	**4.10**		mg/kg dry	0.084	0.525	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-50-8	Copper	**11.0**		mg/kg dry	0.126	0.525	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7439-89-6	Iron	**6640**		mg/kg dry	0.682	2.10	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7439-92-1	Lead	**4.65**	B	mg/kg dry	0.178	0.315	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7439-95-4	Magnesium	**1490**		mg/kg dry	0.472	5.25	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7439-96-5	Manganese	**68.8**		mg/kg dry	0.115	1.05	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-02-0	Nickel	**12.9**		mg/kg dry	0.136	0.525	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-09-7	Potassium	**1020**		mg/kg dry	3.55	10.5	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7782-49-2	Selenium	**1.45**		mg/kg dry	0.525	0.525	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-22-4	Silver	ND		mg/kg dry	0.105	0.525	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-23-5	Sodium	**160**		mg/kg dry	5.53	10.5	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-28-0	Thallium	ND		mg/kg dry	0.336	0.525	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-62-2	Vanadium	**19.2**		mg/kg dry	0.115	0.525	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW
7440-66-6	Zinc	**12.9**		mg/kg dry	0.094	0.525	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:06	MW

Mercury by 7470/7471

Log-in Notes: **VOA-CO]** **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	0.0986	0.105	1	EPA SW846-7471	11/05/2012 08:20	11/05/2012 15:49	AA

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-1 (14'-16')** **York Sample ID:** **12K0043-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Total Solids **Log-in Notes:** **VOA-CO** **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	**95.3**		%	0.100	0.100	1	SM 2540G	11/05/2012 15:21	11/05/2012 15:21	JCC

Sample Information

Client Sample ID: **SP-2 (0'-2')** **York Sample ID:** **12K0043-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CO** **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	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	0.25	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/kg dry	0.65	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	0.82	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	0.92	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.1	20	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.4	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	20	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	20	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	0.79	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	0.86	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.80	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.89	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.3	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.4	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	26	100	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	0.93	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.8	20	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-2 (0'-2')** **York Sample ID:** **12K0043-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO**

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
95-49-8	2-Chlorotoluene	ND		ug/kg dry	0.81	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
67-64-1	Acetone	ND		ug/kg dry	13	20	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
71-43-2	Benzene	ND		ug/kg dry	0.99	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.3	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	0.78	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
75-25-2	Bromoform	ND		ug/kg dry	0.94	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	0.98	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.98	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
67-66-3	Chloroform	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	0.58	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.91	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.2	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.3	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	0.92	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.58	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.4	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.74	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
75-09-2	Methylene chloride	ND		ug/kg dry	1.8	20	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.2	20	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.88	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	0.83	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
95-47-6	o-Xylene	ND		ug/kg dry	0.73	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.9	20	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.61	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	0.93	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
100-42-5	Styrene	ND		ug/kg dry	0.66	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	0.94	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.1	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-2 (0'-2')** **York Sample ID:** **12K0043-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.77	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.0	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	0.99	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	0.71	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	0.55	10	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	1.2	30	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.8	20	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 03:55	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.0 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*98.0 %*	*81.2-127*

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	60.6	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	80.4	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
62-53-3	Aniline	ND		ug/kg dry	95.8	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
120-12-7	Anthracene	ND		ug/kg dry	91.5	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	62.6	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	66.3	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	140	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	55.6	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	168	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	168	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	92.5	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	80.7	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	113	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	43.6	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	57.6	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	85.4	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	59.0	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	116	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	90.5	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-2 (0'-2')** **York Sample ID:** **12K0043-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **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
95-57-8	2-Chlorophenol	ND		ug/kg dry	55.3	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	98.2	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
218-01-9	Chrysene	ND		ug/kg dry	77.1	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	67.3	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	78.1	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	68.0	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	110	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	103	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	52.9	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	87.8	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	137	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	105	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	117	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	74.7	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	211	335	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	146	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	141	335	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	86.1	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	74.0	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	168	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
206-44-0	Fluoranthene	ND		ug/kg dry	98.2	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
86-73-7	Fluorene	ND		ug/kg dry	80.4	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	98.8	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	56.6	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	125	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.9	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	76.4	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
78-59-1	Isophorone	ND		ug/kg dry	57.6	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	129	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	63.7	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	72.7	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
91-20-3	Naphthalene	ND		ug/kg dry	41.2	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	167	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	69.3	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-2 (0'-2')** **York Sample ID:** **12K0043-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **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
98-95-3	Nitrobenzene	ND		ug/kg dry	49.2	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	63.0	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.6	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	55.9	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	68.7	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	75.7	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	126	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
85-01-8	Phenanthrene	ND		ug/kg dry	87.4	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
108-95-2	Phenol	ND		ug/kg dry	72.4	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
129-00-0	Pyrene	ND		ug/kg dry	68.3	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
110-86-1	Pyridine	ND		ug/kg dry	118	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	60.6	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	130	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	85.1	168	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 19:58	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*75.0 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*57.0 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*72.0 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*77.0 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*68.8 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*129 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	83.9	83.9	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.29	8.29	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
72-20-8	Endrin	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-2 (0'-2')** **York Sample ID:** **12K0043-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **VOA-CO]** **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	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.63	6.63	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
309-00-2	Aldrin	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.66	1.66	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 15:52	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	17.1	17.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:15	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	17.1	17.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:15	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	17.1	17.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:15	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	17.1	17.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:15	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	17.1	17.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:15	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	17.1	17.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:15	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	17.1	17.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:15	JW
1336-36-3	Total PCBs	ND		ug/kg dry	6.83	17.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:15	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*98.3 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*90.9 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**2000**		mg/kg dry	1.03	2.01	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-36-0	Antimony	ND		mg/kg dry	0.221	0.503	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-38-2	Arsenic	**1.16**		mg/kg dry	0.342	1.01	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-39-3	Barium	**16.0**		mg/kg dry	0.131	0.503	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.101	0.101	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.101	0.503	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-70-2	Calcium	**571**		mg/kg dry	0.040	5.03	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-47-3	Chromium	**4.58**		mg/kg dry	0.121	0.503	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-48-4	Cobalt	**2.14**		mg/kg dry	0.080	0.503	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-50-8	Copper	**3.11**		mg/kg dry	0.121	0.503	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7439-89-6	Iron	**6750**		mg/kg dry	0.653	2.01	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7439-92-1	Lead	**9.12**	B	mg/kg dry	0.171	0.302	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SP-2 (0'-2') **York Sample ID:** 12K0043-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Metals, Target Analyte

Log-in Notes: VOA-CO **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	**743**		mg/kg dry	0.452	5.03	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7439-96-5	Manganese	**81.3**		mg/kg dry	0.111	1.01	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-02-0	Nickel	**7.43**		mg/kg dry	0.131	0.503	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-09-7	Potassium	**687**		mg/kg dry	3.40	10.1	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7782-49-2	Selenium	**1.18**		mg/kg dry	0.503	0.503	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-22-4	Silver	ND		mg/kg dry	0.101	0.503	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-23-5	Sodium	**239**		mg/kg dry	5.30	10.1	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-28-0	Thallium	ND		mg/kg dry	0.322	0.503	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-62-2	Vanadium	**7.44**		mg/kg dry	0.111	0.503	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW
7440-66-6	Zinc	**7.66**		mg/kg dry	0.090	0.503	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:11	MW

Mercury by 7470/7471

Log-in Notes: VOA-CO **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	0.0945	0.101	1	EPA SW846-7471	11/05/2012 08:20	11/05/2012 15:49	AA

Total Solids

Log-in Notes: VOA-CO **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	**99.5**		%	0.100	0.100	1	SM 2540G	11/05/2012 15:21	11/05/2012 15:21	JCC

Sample Information

Client Sample ID: SP-2 (14'-16') **York Sample ID:** 12K0043-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: VOA-CO **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	1.5	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	0.28	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/kg dry	0.72	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.7	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	0.90	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SP-2 (14'-16')

York Sample ID: 12K0043-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: VOA-CO

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.2	22	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.6	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.5	22	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	22	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	0.86	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	0.95	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.88	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.98	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.3	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.4	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	29	110	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.9	22	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	0.88	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
67-64-1	Acetone	ND		ug/kg dry	14	22	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
71-43-2	Benzene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.4	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	0.86	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
75-25-2	Bromoform	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
67-66-3	Chloroform	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	0.64	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.3	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.4	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-2 (14'-16')** **York Sample ID:** **12K0043-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: **VOA-CO]** **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
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.64	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.5	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.81	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.0	22	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.4	22	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.96	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	0.91	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
95-47-6	o-Xylene	ND		ug/kg dry	0.81	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	2.0	22	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.67	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
100-42-5	Styrene	ND		ug/kg dry	0.73	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
108-88-3	Toluene	ND		ug/kg dry	0.84	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	0.78	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	0.60	11	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	1.3	33	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.0	22	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 04:33	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.4 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*96.7 %*	*81.2-127*

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SP-2 (14'-16')

York Sample ID: 12K0043-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	65.9	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	87.4	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
62-53-3	Aniline	ND		ug/kg dry	104	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
120-12-7	Anthracene	ND		ug/kg dry	99.4	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	68.1	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	72.1	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	153	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	60.5	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	182	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	182	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	101	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	87.8	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	123	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.3	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	62.6	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	92.9	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	64.1	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	126	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	98.3	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	60.1	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	107	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
218-01-9	Chrysene	ND		ug/kg dry	83.8	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	73.2	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	84.9	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	73.9	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	119	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	112	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	57.5	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	95.4	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	149	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	114	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	127	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	81.2	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	159	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-2 (14'-16')** **York Sample ID:** **12K0043-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **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
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	229	364	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	153	364	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	93.6	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	80.5	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	182	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
206-44-0	Fluoranthene	ND		ug/kg dry	107	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
86-73-7	Fluorene	ND		ug/kg dry	87.4	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	107	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	61.6	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	135	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	52.1	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	83.0	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
78-59-1	Isophorone	ND		ug/kg dry	62.6	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	140	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	69.2	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	79.0	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
91-20-3	Naphthalene	ND		ug/kg dry	44.8	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	181	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	75.4	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	53.5	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	68.5	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	49.5	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	60.8	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	74.7	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	82.3	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	137	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
85-01-8	Phenanthrene	ND		ug/kg dry	95.1	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
108-95-2	Phenol	ND		ug/kg dry	78.7	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
129-00-0	Pyrene	ND		ug/kg dry	74.3	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
110-86-1	Pyridine	ND		ug/kg dry	128	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	65.9	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	141	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	92.5	182	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 20:31	SR

Surrogate Recoveries	Result	Acceptance Range

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-2 (14'-16')** **York Sample ID:** **12K0043-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Semi-Volatiles, 8270 Target List

Log-in Notes: **VOA-CO]** **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
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*63.4 %*			*15-110*						
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*49.3 %*			*30-130*						
367-12-4	*Surrogate: 2-Fluorophenol*	*71.6 %*			*15-110*						
4165-60-0	*Surrogate: Nitrobenzene-d5*	*64.4 %*			*30-130*						
4165-62-2	*Surrogate: Phenol-d5*	*54.0 %*			*15-110*						
1718-51-0	*Surrogate: Terphenyl-d14*	*105 %*			*30-130*						

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	91.2	91.2	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.01	9.01	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
72-20-8	Endrin	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.21	7.21	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
309-00-2	Aldrin	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.80	1.80	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:23	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	18.6	18.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:35	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	18.6	18.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:35	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	18.6	18.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:35	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	18.6	18.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:35	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	18.6	18.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:35	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	18.6	18.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:35	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-2 (14'-16')** **York Sample ID:** **12K0043-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/kg dry	18.6	18.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:35	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.43	18.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:35	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*83.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*97.3 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**5750**		mg/kg dry	1.11	2.19	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-36-0	Antimony	ND		mg/kg dry	0.240	0.546	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-38-2	Arsenic	**1.23**		mg/kg dry	0.371	1.09	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-39-3	Barium	**56.2**		mg/kg dry	0.142	0.546	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.109	0.546	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-70-2	Calcium	**1430**		mg/kg dry	0.044	5.46	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-47-3	Chromium	**12.0**		mg/kg dry	0.131	0.546	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-48-4	Cobalt	**5.80**		mg/kg dry	0.087	0.546	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-50-8	Copper	**14.5**		mg/kg dry	0.131	0.546	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7439-89-6	Iron	**12900**		mg/kg dry	0.710	2.19	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7439-92-1	Lead	**4.99**	B	mg/kg dry	0.186	0.328	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7439-95-4	Magnesium	**2390**		mg/kg dry	0.492	5.46	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7439-96-5	Manganese	**449**		mg/kg dry	0.120	1.09	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-02-0	Nickel	**17.3**		mg/kg dry	0.142	0.546	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-09-7	Potassium	**1670**		mg/kg dry	3.69	10.9	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7782-49-2	Selenium	**2.22**		mg/kg dry	0.546	0.546	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-22-4	Silver	ND		mg/kg dry	0.109	0.546	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-23-5	Sodium	**227**		mg/kg dry	5.76	10.9	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-28-0	Thallium	ND		mg/kg dry	0.350	0.546	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-62-2	Vanadium	**28.1**		mg/kg dry	0.120	0.546	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW
7440-66-6	Zinc	**20.7**		mg/kg dry	0.098	0.546	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:16	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SP-2 (14'-16') **York Sample ID:** 12K0043-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Mercury by 7470/7471

Log-in Notes: VOA-CO **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	0.103	0.109	1	EPA SW846-7471	11/05/2012 08:20	11/05/2012 15:49	AA

Total Solids

Log-in Notes: VOA-CO **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**91.5**		%	0.100	0.100	1	SM 2540G	11/05/2012 15:21	11/05/2012 15:21	JCC

Sample Information

Client Sample ID: SP-3 (0'-2') **York Sample ID:** 12K0043-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: VOA-CO **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	7.5	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.4	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	11	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 11	ND		ug/kg dry	3.5	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	8.1	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	5.4	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	4.4	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	5.0	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	5.8	110	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	7.6	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	7.2	110	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	5.9	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	14	110	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4.3	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	4.7	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	5.4	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4.3	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	4.8	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	6.2	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	6.9	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-3 (0'-2')** **York Sample ID:** **12K0043-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CO]** **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
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	7.8	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	140	540	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	5.0	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
78-93-3	2-Butanone	ND		ug/kg dry	9.5	110	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	4.4	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	5.5	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
67-64-1	Acetone	ND		ug/kg dry	71	110	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
71-43-2	Benzene	ND		ug/kg dry	5.3	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
108-86-1	Bromobenzene	ND		ug/kg dry	7.0	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	4.2	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	8.0	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
75-25-2	Bromoform	ND		ug/kg dry	5.1	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
74-83-9	Bromomethane	ND		ug/kg dry	12	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	5.3	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	5.3	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
75-00-3	Chloroethane	ND		ug/kg dry	6.0	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
67-66-3	Chloroform	ND		ug/kg dry	5.4	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
74-87-3	Chloromethane	ND		ug/kg dry	5.9	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.1	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4.9	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	6.2	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
74-95-3	Dibromomethane	ND		ug/kg dry	6.8	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4.9	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.1	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	7.4	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	5.7	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4.0	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
75-09-2	Methylene chloride	ND		ug/kg dry	9.7	110	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
91-20-3	Naphthalene	ND		ug/kg dry	12	110	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	4.7	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	4.5	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
95-47-6	o-Xylene	ND		ug/kg dry	4.0	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	10	110	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.3	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-3 (0'-2')** **York Sample ID:** **12K0043-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: VOA-CO] **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
135-98-8	sec-Butylbenzene	ND		ug/kg dry	5.0	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
100-42-5	Styrene	ND		ug/kg dry	3.6	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.1	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	5.8	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
108-88-3	Toluene	ND		ug/kg dry	4.2	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	5.6	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	5.6	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	5.3	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.8	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.9	54	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.4	160	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	9.8	110	1	EPA SW846-8260B	11/05/2012 12:20	11/06/2012 05:10	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.6 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*97.7 %*	*81.2-127*

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	62.6	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	82.9	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
62-53-3	Aniline	ND		ug/kg dry	98.8	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
120-12-7	Anthracene	ND		ug/kg dry	94.3	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	64.6	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	68.4	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	145	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	57.4	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	173	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	173	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	95.4	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	83.3	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	116	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.9	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	59.4	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-3 (0'-2')** **York Sample ID:** **12K0043-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **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
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	88.1	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	60.8	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	119	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	93.3	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	57.0	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	101	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
218-01-9	Chrysene	ND		ug/kg dry	79.5	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	69.5	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	80.5	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	70.2	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	113	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	106	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	54.6	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	90.5	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	141	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	109	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	121	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	77.1	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	151	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	218	346	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	145	346	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	88.8	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	76.4	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	173	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
206-44-0	Fluoranthene	ND		ug/kg dry	101	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
86-73-7	Fluorene	ND		ug/kg dry	82.9	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	102	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	58.4	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	129	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	49.4	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	78.8	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
78-59-1	Isophorone	ND		ug/kg dry	59.4	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	133	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	65.7	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-3 (0'-2')** **York Sample ID:** **12K0043-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO** **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
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	75.0	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
91-20-3	Naphthalene	ND		ug/kg dry	42.5	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	172	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	71.5	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	50.8	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	65.0	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.0	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	57.7	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	70.8	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	78.1	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	130	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
85-01-8	Phenanthrene	ND		ug/kg dry	90.2	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
108-95-2	Phenol	ND		ug/kg dry	74.6	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
129-00-0	Pyrene	ND		ug/kg dry	70.5	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
110-86-1	Pyridine	ND		ug/kg dry	121	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	62.6	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	134	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	87.8	173	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:05	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*20.7 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*55.1 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*72.2 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*67.3 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*68.5 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*127 %*	*30-130*

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-3 (0'-2')** **York Sample ID:** **12K0043-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Pesticides/PCBs, EPA 8081/8082 List **Log-in Notes:** **VOA-CO** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	86.6	86.6	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.55	8.55	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
72-20-8	Endrin	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.84	6.84	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
309-00-2	Aldrin	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.71	1.71	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:38	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	17.6	17.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:55	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	17.6	17.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:55	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	17.6	17.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:55	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	17.6	17.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:55	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	17.6	17.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:55	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	17.6	17.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:55	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	17.6	17.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:55	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.05	17.6	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 01:55	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*73.9 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*83.9 %*	*30-150*

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-3 (0'-2')** **York Sample ID:** **12K0043-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Metals, Target Analyte

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**5400**		mg/kg dry	1.06	2.07	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-36-0	Antimony	ND		mg/kg dry	0.228	0.518	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-38-2	Arsenic	**1.58**		mg/kg dry	0.353	1.04	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-39-3	Barium	**55.2**		mg/kg dry	0.135	0.518	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.104	0.104	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.104	0.518	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-70-2	Calcium	**19500**		mg/kg dry	0.041	5.18	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-47-3	Chromium	**11.5**		mg/kg dry	0.124	0.518	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-48-4	Cobalt	**4.18**		mg/kg dry	0.083	0.518	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-50-8	Copper	**12.0**		mg/kg dry	0.124	0.518	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7439-89-6	Iron	**8030**		mg/kg dry	0.674	2.07	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7439-92-1	Lead	**15.2**	B	mg/kg dry	0.176	0.311	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7439-95-4	Magnesium	**5820**		mg/kg dry	0.467	5.18	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7439-96-5	Manganese	**178**		mg/kg dry	0.114	1.04	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-02-0	Nickel	**14.6**		mg/kg dry	0.135	0.518	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-09-7	Potassium	**1650**		mg/kg dry	3.50	10.4	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7782-49-2	Selenium	**1.75**		mg/kg dry	0.518	0.518	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-22-4	Silver	ND		mg/kg dry	0.104	0.518	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-23-5	Sodium	**851**		mg/kg dry	5.46	10.4	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-28-0	Thallium	ND		mg/kg dry	0.332	0.518	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-62-2	Vanadium	**12.8**		mg/kg dry	0.114	0.518	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW
7440-66-6	Zinc	**37.2**		mg/kg dry	0.093	0.518	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:21	MW

Mercury by 7470/7471

Log-in Notes: **VOA-CO]** **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	0.0975	0.104	1	EPA SW846-7471	11/05/2012 08:20	11/05/2012 15:49	AA

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-3 (0'-2')** **York Sample ID:** **12K0043-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Total Solids **Log-in Notes:** **VOA-CO** **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	**96.5**		%	0.100	0.100	1	SM 2540G	11/05/2012 15:21	11/05/2012 15:21	JCC

Sample Information

Client Sample ID: **SP-3 (2'-3')** **York Sample ID:** **12K0043-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CO** **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	1.5	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	0.27	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/kg dry	0.70	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	0.87	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	0.98	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.1	21	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.5	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.4	21	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	21	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	0.84	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	0.92	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.85	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.95	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.4	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.5	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	28	110	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.9	21	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-3 (2'-3')** **York Sample ID:** **12K0043-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List **Log-in Notes:** **VOA-CO** **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
95-49-8	2-Chlorotoluene	ND		ug/kg dry	0.86	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
67-64-1	Acetone	ND		ug/kg dry	14	21	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
71-43-2	Benzene	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.4	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	0.83	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
75-25-2	Bromoform	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
67-66-3	Chloroform	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
74-87-3	Chloromethane	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	0.62	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.97	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.2	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.3	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	0.98	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.62	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.5	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.78	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
75-09-2	Methylene chloride	ND		ug/kg dry	1.9	21	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.3	21	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.93	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	0.89	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
95-47-6	o-Xylene	ND		ug/kg dry	0.78	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	2.0	21	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.65	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	0.99	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
100-42-5	Styrene	ND		ug/kg dry	0.71	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.0	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SP-3 (2'-3') **York Sample ID:** 12K0043-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Volatile Organics, 8260 List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.82	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.1	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	0.75	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	0.58	11	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	1.3	32	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.9	21	1	EPA SW846-8260B	11/05/2012 18:25	11/05/2012 18:25	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.7 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*81.2-127*

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	64.3	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	85.2	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
62-53-3	Aniline	ND		ug/kg dry	102	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
120-12-7	Anthracene	ND		ug/kg dry	97.0	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	66.4	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	70.3	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	149	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	59.0	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	178	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	178	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	98.0	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	85.6	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	120	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.2	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	61.1	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	90.6	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	62.5	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	123	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	95.9	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-3 (2'-3')** **York Sample ID:** **12K0043-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Semi-Volatiles, 8270 Target List **Log-in Notes:** **VOA-CO]** **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
95-57-8	2-Chlorophenol	ND		ug/kg dry	58.6	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	104	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
218-01-9	Chrysene	ND		ug/kg dry	81.7	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	71.4	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	82.8	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	72.1	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	116	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	109	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	56.1	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	93.1	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	145	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	112	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	124	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	79.2	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	155	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	224	355	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	149	355	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	91.3	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	78.5	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	178	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
206-44-0	Fluoranthene	ND		ug/kg dry	104	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
86-73-7	Fluorene	ND		ug/kg dry	85.2	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	105	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	60.0	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	132	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	50.8	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	81.0	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
78-59-1	Isophorone	ND		ug/kg dry	61.1	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	136	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	67.5	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	77.1	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
91-20-3	Naphthalene	ND		ug/kg dry	43.7	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	177	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	73.5	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SP-3 (2'-3') **York Sample ID:** 12K0043-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Semi-Volatiles, 8270 Target List

Log-in Notes: VOA-CO] **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
98-95-3	Nitrobenzene	ND		ug/kg dry	52.2	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	66.8	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.3	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	59.3	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	72.8	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	80.3	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	134	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
85-01-8	Phenanthrene	ND		ug/kg dry	92.7	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
108-95-2	Phenol	ND		ug/kg dry	76.7	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
129-00-0	Pyrene	ND		ug/kg dry	72.5	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
110-86-1	Pyridine	ND		ug/kg dry	125	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	64.3	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	138	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	90.2	178	1	EPA SW-846 8270C	11/05/2012 07:22	11/05/2012 21:38	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*60.5 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*47.2 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*78.6 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*69.0 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*55.5 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*115 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: VOA-CO] **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/kg dry	89.0	89.0	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.79	8.79	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
72-20-8	Endrin	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-3 (2'-3')** **York Sample ID:** **12K0043-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **VOA-CO]** **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	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.03	7.03	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
309-00-2	Aldrin	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
72-54-8	4,4'-DDD	ND		ug/kg dry	1.76	1.76	5	EPA SW 846-8081/8082	11/06/2012 07:28	11/06/2012 18:53	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 02:34	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 02:34	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 02:34	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 02:34	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 02:34	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 02:34	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	18.1	18.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 02:34	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.25	18.1	1	EPA SW 846-8081/8082	11/06/2012 07:28	11/07/2012 02:34	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*65.7 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*67.4 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **VOA-CO]** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**12500**		mg/kg dry	1.09	2.13	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-36-0	Antimony	ND		mg/kg dry	0.234	0.533	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-38-2	Arsenic	**3.28**		mg/kg dry	0.362	1.07	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-39-3	Barium	**108**		mg/kg dry	0.139	0.533	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.107	0.533	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-70-2	Calcium	**2010**		mg/kg dry	0.043	5.33	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-47-3	Chromium	**4.84**		mg/kg dry	0.128	0.533	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-48-4	Cobalt	**9.44**		mg/kg dry	0.085	0.533	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-50-8	Copper	**11.5**		mg/kg dry	0.128	0.533	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7439-89-6	Iron	**26400**		mg/kg dry	0.693	2.13	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7439-92-1	Lead	**9.97**	B	mg/kg dry	0.181	0.320	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-3 (2'-3')** **York Sample ID:** **12K0043-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
12K0043	#120210 321 W. 35th St.	Soil	November 1, 2012 3:00 pm	11/02/2012

Metals, Target Analyte

Log-in Notes: **VOA-CO** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	**7360**		mg/kg dry	0.479	5.33	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7439-96-5	Manganese	**615**		mg/kg dry	0.117	1.07	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-02-0	Nickel	**17.7**		mg/kg dry	0.139	0.533	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-09-7	Potassium	**8290**		mg/kg dry	3.60	10.7	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7782-49-2	Selenium	**4.35**		mg/kg dry	0.533	0.533	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-22-4	Silver	ND		mg/kg dry	0.107	0.533	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-23-5	Sodium	**502**		mg/kg dry	5.62	10.7	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-28-0	Thallium	ND		mg/kg dry	0.341	0.533	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-62-2	Vanadium	**31.5**		mg/kg dry	0.117	0.533	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW
7440-66-6	Zinc	**139**		mg/kg dry	0.096	0.533	1	EPA SW846-6010B	11/06/2012 09:29	11/06/2012 20:26	MW

Mercury by 7470/7471

Log-in Notes: **VOA-CO** **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	0.100	0.107	1	EPA SW846-7471	11/05/2012 08:20	11/05/2012 15:49	AA

Total Solids

Log-in Notes: **VOA-CO** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**93.8**		%	0.100	0.100	1	SM 2540G	11/05/2012 15:21	11/05/2012 15:21	JCC

Analytical Batch Summary

Batch ID: BK20120 **Preparation Method:** EPA 3550B **Prepared By:** CC

YORK Sample ID	Client Sample ID	Preparation Date
12K0043-01	SP-1 (0'-2')	11/05/12
12K0043-02	SP-1 (14'-16')	11/05/12
12K0043-03	SP-2 (0'-2')	11/05/12
12K0043-04	SP-2 (14'-16')	11/05/12
12K0043-05	SP-3 (0'-2')	11/05/12
12K0043-06	SP-3 (2'-3')	11/05/12
BK20120-BLK1	Blank	11/05/12
BK20120-BS1	LCS	11/05/12

Batch ID: BK20129 **Preparation Method:** EPA SW846-7471 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
12K0043-01	SP-1 (0'-2')	11/05/12
12K0043-02	SP-1 (14'-16')	11/05/12
12K0043-03	SP-2 (0'-2')	11/05/12
12K0043-04	SP-2 (14'-16')	11/05/12
12K0043-05	SP-3 (0'-2')	11/05/12
12K0043-06	SP-3 (2'-3')	11/05/12
BK20129-BLK1	Blank	11/05/12
BK20129-BS1	LCS	11/05/12

Batch ID: BK20133 **Preparation Method:** % Solids Prep **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
12K0043-01	SP-1 (0'-2')	11/05/12
12K0043-02	SP-1 (14'-16')	11/05/12
12K0043-03	SP-2 (0'-2')	11/05/12
12K0043-04	SP-2 (14'-16')	11/05/12
12K0043-05	SP-3 (0'-2')	11/05/12
12K0043-06	SP-3 (2'-3')	11/05/12

Batch ID: BK20137 **Preparation Method:** EPA 5035B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
12K0043-06	SP-3 (2'-3')	11/05/12
BK20137-BLK1	Blank	11/05/12
BK20137-BS1	LCS	11/05/12
BK20137-BSD1	LCS Dup	11/05/12
BK20137-MS1	Matrix Spike	11/05/12
BK20137-MSD1	Matrix Spike Dup	11/05/12

Batch ID: BK20157 **Preparation Method:** EPA 5035B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
12K0043-01	SP-1 (0'-2')	11/05/12
12K0043-02	SP-1 (14'-16')	11/05/12

12K0043-03	SP-2 (0'-2')	11/05/12
12K0043-04	SP-2 (14'-16')	11/05/12
12K0043-05	SP-3 (0'-2')	11/05/12
BK20157-BLK1	Blank	11/05/12
BK20157-BS1	LCS	11/05/12
BK20157-BSD1	LCS Dup	11/05/12

Batch ID: BK20163 **Preparation Method:** EPA 3550B **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
12K0043-01	SP-1 (0'-2')	11/06/12
12K0043-02	SP-1 (14'-16')	11/06/12
12K0043-03	SP-2 (0'-2')	11/06/12
12K0043-04	SP-2 (14'-16')	11/06/12
12K0043-05	SP-3 (0'-2')	11/06/12
12K0043-06	SP-3 (2'-3')	11/06/12
BK20163-BLK1	Blank	11/06/12
BK20163-BS1	LCS	11/06/12
BK20163-BS2	LCS	11/06/12
BK20163-BSD2	LCS Dup	11/06/12

Batch ID: BK20183 **Preparation Method:** EPA 3050B **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
12K0043-01	SP-1 (0'-2')	11/06/12
12K0043-02	SP-1 (14'-16')	11/06/12
12K0043-03	SP-2 (0'-2')	11/06/12
12K0043-04	SP-2 (14'-16')	11/06/12
12K0043-05	SP-3 (0'-2')	11/06/12
12K0043-06	SP-3 (2'-3')	11/06/12
BK20183-BLK1	Blank	11/06/12
BK20183-DUP1	Duplicate	11/06/12
BK20183-MS1	Matrix Spike	11/06/12
BK20183-SRM1	Reference	11/06/12

YORK
ANALYTICAL LABORATORIES, INC.

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20137 - EPA 5035B											
Blank (BK20137-BLK1)								Prepared & Analyzed: 11/05/2012			
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	10	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	10	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	10	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	50	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	10	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20137 - EPA 5035B											
Blank (BK20137-BLK1)								Prepared & Analyzed: 11/05/2012			
sec-Butylbenzene	ND	5.0	ug/kg wet								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	10	"								
Surrogate: 1,2-Dichloroethane-d4	*52.2*		*ug/L*	*50.0*		*104*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*48.6*		*"*	*50.0*		*97.2*	*63.5-145*				
Surrogate: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*81.2-127*				
LCS (BK20137-BS1)								Prepared & Analyzed: 11/05/2012			
1,1,1,2-Tetrachloroethane	52		ug/L	50.0		104	71.7-135				
1,1,1-Trichloroethane	58		"	50.0		116	72.6-137				
1,1,2,2-Tetrachloroethane	53		"	50.0		106	65.4-135				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	59		"	50.0		119	67.8-129				
1,1,2-Trichloroethane	53		"	50.0		106	68.6-132				
1,1-Dichloroethane	55		"	50.0		109	71.7-131				
1,1-Dichloroethylene	57		"	50.0		114	74.4-148				
1,1-Dichloropropylene	52		"	50.0		105	72.5-135				
1,2,3-Trichlorobenzene	58		"	50.0		116	62.7-139				
1,2,3-Trichloropropane	51		"	50.0		103	61.7-131				
1,2,4-Trichlorobenzene	61		"	50.0		121	65-139				
1,2,4-Trimethylbenzene	50		"	50.0		101	73.1-136				
1,2-Dibromo-3-chloropropane	59		"	50.0		119	53.3-149				
1,2-Dibromoethane	52		"	50.0		104	72.7-134				
1,2-Dichlorobenzene	52		"	50.0		104	71.6-125				
1,2-Dichloroethane	59		"	50.0		117	68.7-136				
1,2-Dichloropropane	51		"	50.0		102	68.2-136				
1,3,5-Trimethylbenzene	50		"	50.0		99.7	69.7-127				
1,3-Dichlorobenzene	53		"	50.0		106	69.8-129				
1,3-Dichloropropane	53		"	50.0		105	69.3-132				
1,4-Dichlorobenzene	53		"	50.0		105	71.3-129				
1,4-Dioxane	31		"	50.0		61.7	70-130	Low Bias			
2,2-Dichloropropane	59		"	50.0		117	65.5-131				
2-Butanone	55		"	50.0		109	70-130				
2-Chlorotoluene	48		"	50.0		95.3	64.2-120				
4-Chlorotoluene	51		"	50.0		103	68.8-129				
Acetone	37		"	50.0		73.6	70-130				
Benzene	53		"	50.0		106	70.4-128				
Bromobenzene	51		"	50.0		101	66.8-127				
Bromochloromethane	54		"	50.0		108	71.6-133				
Bromodichloromethane	56		"	50.0		112	70.6-136				
Bromoform	56		"	50.0		112	63.2-139				
Bromomethane	47		"	50.0		93.5	50.2-135				
Carbon tetrachloride	58		"	50.0		116	71.9-140				
Chlorobenzene	51		"	50.0		103	76.4-127				
Chloroethane	49		"	50.0		98.0	50.8-142				
Chloroform	56		"	50.0		112	73.6-132				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20137 - EPA 5035B											
LCS (BK20137-BS1)							Prepared & Analyzed: 11/05/2012				
Chloromethane	53		ug/L	50.0		106	32.9-131				
cis-1,2-Dichloroethylene	53		"	50.0		105	69.5-128				
cis-1,3-Dichloropropylene	50		"	50.0		100	66.6-129				
Dibromochloromethane	57		"	50.0		114	71.4-135				
Dibromomethane	53		"	50.0		107	72.3-133				
Dichlorodifluoromethane	71		"	50.0		143	39.4-108	High Bias			
Ethyl Benzene	53		"	50.0		106	75.2-131				
Hexachlorobutadiene	54		"	50.0		108	60.5-130				
Isopropylbenzene	49		"	50.0		98.6	73.7-136				
Methyl tert-butyl ether (MTBE)	57		"	50.0		113	56.5-140				
Methylene chloride	61		"	50.0		121	58.4-120	High Bias			
Naphthalene	62		"	50.0		124	55.2-150				
n-Butylbenzene	51		"	50.0		102	63.7-125				
n-Propylbenzene	50		"	50.0		99.3	67.8-128				
o-Xylene	51		"	50.0		101	70.4-126				
p- & m- Xylenes	110		"	100		106	73.8-130				
p-Isopropyltoluene	52		"	50.0		105	71.1-131				
sec-Butylbenzene	51		"	50.0		101	68.6-126				
Styrene	52		"	50.0		105	71.7-126				
tert-Butylbenzene	51		"	50.0		101	76.4-151				
Tetrachloroethylene	49		"	50.0		98.4	65-168				
Toluene	50		"	50.0		100	72.5-127				
trans-1,2-Dichloroethylene	56		"	50.0		112	62.2-144				
trans-1,3-Dichloropropylene	57		"	50.0		114	66-135				
Trichloroethylene	53		"	50.0		105	72.6-133				
Trichlorofluoromethane	57		"	50.0		113	51.5-131				
Vinyl Chloride	48		"	50.0		96.9	47-126				
Vinyl acetate	32		"	50.0		64.2	70-130	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	*54.5*		*"*	*50.0*		*109*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.7*	*63.5-145*				
Surrogate: Toluene-d8	*48.6*		*"*	*50.0*		*97.1*	*81.2-127*				

YORK
ANALYTICAL LABORATORIES, INC.

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20137 - EPA 5035B											
LCS Dup (BK20137-BSD1)								Prepared & Analyzed: 11/05/2012			
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		106	71.7-135		1.77	22.3	
1,1,1-Trichloroethane	58		"	50.0		117	72.6-137		1.22	22.5	
1,1,2,2-Tetrachloroethane	49		"	50.0		98.7	65.4-135		7.19	23.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60		"	50.0		120	67.8-129		0.923	25	
1,1,2-Trichloroethane	53		"	50.0		106	68.6-132		0.340	22.6	
1,1-Dichloroethane	55		"	50.0		109	71.7-131		0.293	22.8	
1,1-Dichloroethylene	56		"	50.0		111	74.4-148		2.17	26.8	
1,1-Dichloropropylene	52		"	50.0		103	72.5-135		1.36	22	
1,2,3-Trichlorobenzene	57		"	50.0		114	62.7-139		2.28	25.6	
1,2,3-Trichloropropane	49		"	50.0		97.1	61.7-131		5.51	24.2	
1,2,4-Trichlorobenzene	59		"	50.0		119	65-139		1.95	26.6	
1,2,4-Trimethylbenzene	50		"	50.0		99.7	73.1-136		1.12	24.3	
1,2-Dibromo-3-chloropropane	56		"	50.0		111	53.3-149		6.35	29.1	
1,2-Dibromoethane	52		"	50.0		104	72.7-134		0.461	21.1	
1,2-Dichlorobenzene	50		"	50.0		101	71.6-125		3.22	22.8	
1,2-Dichloroethane	57		"	50.0		115	68.7-136		1.91	21.6	
1,2-Dichloropropane	53		"	50.0		105	68.2-136		3.58	22.5	
1,3,5-Trimethylbenzene	50		"	50.0		99.6	69.7-127		0.0401	23.3	
1,3-Dichlorobenzene	51		"	50.0		102	69.8-129		3.90	23.3	
1,3-Dichloropropane	52		"	50.0		105	69.3-132		0.418	22.4	
1,4-Dichlorobenzene	52		"	50.0		105	71.3-129		0.400	23.9	
1,4-Dioxane	44		"	50.0		88.7	70-130		35.8	30	Non-dir.
2,2-Dichloropropane	58		"	50.0		115	65.5-131		1.55	22	
2-Butanone	50		"	50.0		100	70-130		8.23	30	
2-Chlorotoluene	47		"	50.0		94.4	64.2-120		0.970	23.3	
4-Chlorotoluene	51		"	50.0		102	68.8-129		0.507	23.5	
Acetone	34		"	50.0		68.9	70-130	Low Bias	6.54	30	
Benzene	52		"	50.0		105	70.4-128		0.703	21.8	
Bromobenzene	50		"	50.0		99.3	66.8-127		2.07	23.1	
Bromochloromethane	52		"	50.0		103	71.6-133		4.51	22	
Bromodichloromethane	56		"	50.0		112	70.6-136		0.0893	22.7	
Bromoform	53		"	50.0		106	63.2-139		4.97	23.3	
Bromomethane	46		"	50.0		92.8	50.2-135		0.730	29.1	
Carbon tetrachloride	58		"	50.0		117	71.9-140		0.412	22.4	
Chlorobenzene	53		"	50.0		105	76.4-127		2.25	21.8	
Chloroethane	49		"	50.0		97.7	50.8-142		0.286	24	
Chloroform	55		"	50.0		111	73.6-132		1.56	21.9	
Chloromethane	53		"	50.0		105	32.9-131		0.740	22.8	
cis-1,2-Dichloroethylene	52		"	50.0		104	69.5-128		0.937	22	
cis-1,3-Dichloropropylene	51		"	50.0		102	66.6-129		1.80	22.7	
Dibromochloromethane	56		"	50.0		113	71.4-135		1.02	22.1	
Dibromomethane	54		"	50.0		109	72.3-133		2.02	23.1	
Dichlorodifluoromethane	70		"	50.0		141	39.4-108	High Bias	1.20	26	
Ethyl Benzene	54		"	50.0		108	75.2-131		2.58	22.5	
Hexachlorobutadiene	54		"	50.0		107	60.5-130		0.112	25.4	
Isopropylbenzene	49		"	50.0		97.3	73.7-136		1.27	23.2	
Methyl tert-butyl ether (MTBE)	55		"	50.0		110	56.5-140		3.10	30.6	
Methylene chloride	60		"	50.0		119	58.4-120		1.45	23.8	
Naphthalene	58		"	50.0		117	55.2-150		6.04	29.4	
n-Butylbenzene	50		"	50.0		101	63.7-125		1.10	25.3	
n-Propylbenzene	49		"	50.0		98.5	67.8-128		0.850	28.9	
o-Xylene	52		"	50.0		105	70.4-126		3.09	22.7	
p- & m- Xylenes	110		"	100		108	73.8-130		2.10	23	
p-Isopropyltoluene	51		"	50.0		103	71.1-131		2.04	23.4	

YORK
ANALYTICAL LABORATORIES, INC.

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20137 - EPA 5035B											
LCS Dup (BK20137-BSD1)								Prepared & Analyzed: 11/05/2012			
sec-Butylbenzene	50		ug/L	50.0		100	68.6-126		0.754	23.3	
Styrene	53		"	50.0		106	71.7-126		1.40	21.9	
tert-Butylbenzene	51		"	50.0		101	76.4-151		0.138	45.4	
Tetrachloroethylene	50		"	50.0		101	65-168		2.19	27.9	
Toluene	52		"	50.0		103	72.5-127		2.69	22.9	
trans-1,2-Dichloroethylene	57		"	50.0		114	62.2-144		1.48	24.6	
trans-1,3-Dichloropropylene	56		"	50.0		113	66-135		1.34	23	
Trichloroethylene	54		"	50.0		107	72.6-133		1.56	21.9	
Trichlorofluoromethane	56		"	50.0		113	51.5-131		0.177	24.2	
Vinyl Chloride	49		"	50.0		97.6	47-126		0.658	25.5	
Vinyl acetate	31		"	50.0		61.9	70-130	Low Bias	3.62	30	
Surrogate: 1,2-Dichloroethane-d4	*52.8*		*"*	*50.0*		*106*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*48.4*		*"*	*50.0*		*96.8*	*63.5-145*				
Surrogate: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*81.2-127*				
Matrix Spike (BK20137-MS1)	*Source sample: 12K0043-06 (SP-3 (2'-3'))							Prepared & Analyzed: 11/05/2012			
1,1,1,2-Tetrachloroethane	51		ug/L	50.0	ND	101	73-125				
1,1,1-Trichloroethane	56		"	50.0	ND	111	69.7-117				
1,1,2,2-Tetrachloroethane	33		"	50.0	ND	66.6	67.4-136	Low Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0	ND	107	67.6-103	High Bias			
1,1,2-Trichloroethane	52		"	50.0	ND	104	57.6-124				
1,1-Dichloroethane	53		"	50.0	ND	106	58.4-122				
1,1-Dichloroethylene	54		"	50.0	ND	108	72.9-126				
1,1-Dichloropropylene	47		"	50.0	ND	93.8	61.8-118				
1,2,3-Trichlorobenzene	41		"	50.0	ND	82.6	67.9-119				
1,2,3-Trichloropropane	48		"	50.0	ND	95.8	45.9-150				
1,2,4-Trichlorobenzene	37		"	50.0	ND	74.2	72.1-114				
1,2,4-Trimethylbenzene	41		"	50.0	ND	82.4	61.9-109				
1,2-Dibromo-3-chloropropane	52		"	50.0	ND	103	18.1-176				
1,2-Dibromoethane	50		"	50.0	ND	99.6	41.3-139				
1,2-Dichlorobenzene	42		"	50.0	ND	84.6	44.1-124				
1,2-Dichloroethane	56		"	50.0	ND	112	60.2-122				
1,2-Dichloropropane	51		"	50.0	ND	102	57.2-130				
1,3,5-Trimethylbenzene	42		"	50.0	ND	84.3	61.2-103				
1,3-Dichlorobenzene	38		"	50.0	ND	75.0	38-133				
1,3-Dichloropropane	50		"	50.0	ND	101	68.7-122				
1,4-Dichlorobenzene	39		"	50.0	ND	77.7	38.7-133				
1,4-Dioxane	24		"	50.0	ND	48.8	70-130	Low Bias			
2,2-Dichloropropane	50		"	50.0	ND	99.9	71.7-105				
2-Butanone	50		"	50.0	ND	101	70-130				
2-Chlorotoluene	40		"	50.0	ND	80.7	41.8-127				
4-Chlorotoluene	41		"	50.0	ND	81.8	46.5-128				
Acetone	39		"	50.0	3.4	71.2	70-130				
Benzene	48		"	50.0	ND	96.4	59.1-115				
Bromobenzene	44		"	50.0	ND	88.2	46-135				
Bromochloromethane	51		"	50.0	ND	101	70.1-116				
Bromodichloromethane	55		"	50.0	ND	109	56.6-130				
Bromoform	49		"	50.0	ND	97.9	43.7-137				
Bromomethane	44		"	50.0	ND	88.6	34.6-120				
Carbon tetrachloride	54		"	50.0	ND	108	64.1-119				
Chlorobenzene	47		"	50.0	ND	94.1	38.3-132				
Chloroethane	50		"	50.0	ND	101	32.6-133				
Chloroform	53		"	50.0	ND	107	67.7-116				
Chloromethane	53		"	50.0	ND	107	33.1-109				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20137 - EPA 5035B											
Matrix Spike (BK20137-MS1)	*Source sample: 12K0043-06 (SP-3 (2'-3'))						Prepared & Analyzed: 11/05/2012				
cis-1,2-Dichloroethylene	49		ug/L	50.0	ND	98.2	53.9-116				
cis-1,3-Dichloropropylene	47		"	50.0	ND	94.1	35.7-135				
Dibromochloromethane	54		"	50.0	ND	109	46.6-136				
Dibromomethane	53		"	50.0	ND	105	69.8-122				
Dichlorodifluoromethane	60		"	50.0	ND	120	37.9-98.1	High Bias			
Ethyl Benzene	48		"	50.0	ND	96.2	45.3-123				
Hexachlorobutadiene	40		"	50.0	ND	79.5	43.4-102				
Isopropylbenzene	44		"	50.0	ND	87.3	70.3-110				
Methyl tert-butyl ether (MTBE)	56		"	50.0	ND	112	40.2-137				
Methylene chloride	50		"	50.0	ND	99.9	39.2-109				
Naphthalene	55		"	50.0	ND	110	29.4-193				
n-Butylbenzene	37		"	50.0	ND	73.1	43.5-93.9				
n-Propylbenzene	41		"	50.0	ND	81.1	58.9-102				
o-Xylene	47		"	50.0	ND	94.7	41.5-115				
p- & m- Xylenes	94		"	100	ND	94.0	42.6-121				
p-Isopropyltoluene	41		"	50.0	ND	82.6	37.5-136				
sec-Butylbenzene	42		"	50.0	ND	83.8	38-130				
Styrene	47		"	50.0	ND	93.5	47.6-119				
tert-Butylbenzene	40		"	50.0	ND	80.9	68.9-142				
Tetrachloroethylene	75		"	50.0	ND	151	38.5-161				
Toluene	48		"	50.0	ND	96.1	48.1-124				
trans-1,2-Dichloroethylene	52		"	50.0	ND	103	67.6-121				
trans-1,3-Dichloropropylene	51		"	50.0	ND	101	47.5-135				
Trichloroethylene	62		"	50.0	ND	124	59.3-137				
Trichlorofluoromethane	54		"	50.0	ND	107	28.9-124				
Vinyl Chloride	49		"	50.0	ND	98.4	29.8-116				
Vinyl acetate	5.7		"	50.0	ND	11.4	70-130	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	*53.4*		*"*	*50.0*		*107*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*48.0*		*"*	*50.0*		*96.0*	*63.5-145*				
Surrogate: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*81.2-127*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20137 - EPA 5035B											
Matrix Spike Dup (BK20137-MSD1)	*Source sample: 12K0043-06 (SP-3 (2'-3'))							Prepared & Analyzed: 11/05/2012			
1,1,1,2-Tetrachloroethane	43		ug/L	50.0	ND	87.0	73-125		15.1	15.5	
1,1,1-Trichloroethane	48		"	50.0	ND	96.1	69.7-117		14.4	15.6	
1,1,2,2-Tetrachloroethane	26		"	50.0	ND	53.0	67.4-136	Low Bias	22.9	25.2	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45		"	50.0	ND	90.2	67.6-103		17.4	15.6	Non-dir.
1,1,2-Trichloroethane	42		"	50.0	ND	83.8	57.6-124		21.8	20.4	Non-dir.
1,1-Dichloroethane	45		"	50.0	ND	90.5	58.4-122		15.9	17.5	
1,1-Dichloroethylene	45		"	50.0	ND	90.5	72.9-126		17.3	23.2	
1,1-Dichloropropylene	39		"	50.0	ND	77.9	61.8-118		18.6	15.6	Non-dir.
1,2,3-Trichlorobenzene	26		"	50.0	ND	51.3	67.9-119	Low Bias	46.7	17.8	Non-dir.
1,2,3-Trichloropropane	40		"	50.0	ND	79.6	45.9-150		18.5	22.5	
1,2,4-Trichlorobenzene	23		"	50.0	ND	45.9	72.1-114	Low Bias	47.1	26.8	Non-dir.
1,2,4-Trimethylbenzene	33		"	50.0	ND	65.2	61.9-109		23.3	26	
1,2-Dibromo-3-chloropropane	41		"	50.0	ND	81.2	18.1-176		23.8	27.7	
1,2-Dibromoethane	40		"	50.0	ND	79.8	41.3-139		22.1	20.5	Non-dir.
1,2-Dichlorobenzene	32		"	50.0	ND	64.8	44.1-124		26.5	25	Non-dir.
1,2-Dichloroethane	47		"	50.0	ND	94.2	60.2-122		17.0	25.1	
1,2-Dichloropropane	42		"	50.0	ND	84.3	57.2-130		18.6	25	
1,3,5-Trimethylbenzene	34		"	50.0	ND	67.8	61.2-103		21.6	25	
1,3-Dichlorobenzene	29		"	50.0	ND	58.9	38-133		24.1	25	
1,3-Dichloropropane	41		"	50.0	ND	82.4	68.7-122		20.1	17.4	Non-dir.
1,4-Dichlorobenzene	30		"	50.0	ND	60.8	38.7-133		24.4	25	
1,4-Dioxane	18		"	50.0	ND	35.1	70-130	Low Bias	32.6	30	Non-dir.
2,2-Dichloropropane	43		"	50.0	ND	85.8	71.7-105		15.2	25	
2-Butanone	41		"	50.0	ND	82.4	70-130		20.1	30	
2-Chlorotoluene	33		"	50.0	ND	65.2	41.8-127		21.3	25	
4-Chlorotoluene	31		"	50.0	ND	62.2	46.5-128		27.3	25	Non-dir.
Acetone	36		"	50.0	3.4	65.6	70-130	Low Bias	8.25	30	
Benzene	40		"	50.0	ND	80.9	59.1-115		17.5	23.5	
Bromobenzene	34		"	50.0	ND	68.6	46-135		25.1	25	Non-dir.
Bromochloromethane	42		"	50.0	ND	84.1	70.1-116		18.3	25	
Bromodichloromethane	45		"	50.0	ND	89.9	56.6-130		19.4	22.7	
Bromoform	41		"	50.0	ND	81.6	43.7-137		18.2	25	
Bromomethane	36		"	50.0	ND	72.6	34.6-120		19.8	25	
Carbon tetrachloride	47		"	50.0	ND	94.2	64.1-119		14.0	28.5	
Chlorobenzene	38		"	50.0	ND	75.1	38.3-132		22.6	36.2	
Chloroethane	41		"	50.0	ND	82.0	32.6-133		20.3	28.2	
Chloroform	46		"	50.0	ND	91.7	67.7-116		14.9	23.7	
Chloromethane	44		"	50.0	ND	87.2	33.1-109		20.3	25	
cis-1,2-Dichloroethylene	41		"	50.0	ND	82.2	53.9-116		17.7	24.8	
cis-1,3-Dichloropropylene	37		"	50.0	ND	73.1	35.7-135		25.1	38.7	
Dibromochloromethane	45		"	50.0	ND	89.1	46.6-136		19.9	28.9	
Dibromomethane	42		"	50.0	ND	84.9	69.8-122		21.4	25	
Dichlorodifluoromethane	50		"	50.0	ND	99.3	37.9-98.1	High Bias	19.3	30.4	
Ethyl Benzene	39		"	50.0	ND	78.9	45.3-123		19.8	38.1	
Hexachlorobutadiene	31		"	50.0	ND	61.3	43.4-102		25.8	27	
Isopropylbenzene	35		"	50.0	ND	70.8	70.3-110		20.8	25	
Methyl tert-butyl ether (MTBE)	48		"	50.0	ND	96.6	40.2-137		14.5	25	
Methylene chloride	43		"	50.0	ND	85.4	39.2-109		15.6	25	
Naphthalene	34		"	50.0	ND	68.7	29.4-193		46.4	29.3	Non-dir.
n-Butylbenzene	27		"	50.0	ND	53.2	43.5-93.9		31.4	25	Non-dir.
n-Propylbenzene	32		"	50.0	ND	63.3	58.9-102		24.5	25	
o-Xylene	40		"	50.0	ND	79.3	41.5-115		17.8	35.3	
p- & m- Xylenes	77		"	100	ND	77.0	42.6-121		19.8	37	
p-Isopropyltoluene	32		"	50.0	ND	64.3	37.5-136		24.9	25	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20137 - EPA 5035B											
Matrix Spike Dup (BK20137-MSD1)	*Source sample: 12K0043-06 (SP-3 (2'-3'))							Prepared & Analyzed: 11/05/2012			
sec-Butylbenzene	33		ug/L	50.0	ND	65.5	38-130		24.4	25	
Styrene	36		"	50.0	ND	72.6	47.6-119		25.2	25	Non-dir.
tert-Butylbenzene	34		"	50.0	ND	67.0	68.9-142	Low Bias	18.8	25	
Tetrachloroethylene	61		"	50.0	ND	123	38.5-161		20.4	38.3	
Toluene	39		"	50.0	ND	78.4	48.1-124		20.3	28.1	
trans-1,2-Dichloroethylene	43		"	50.0	ND	85.4	67.6-121		18.7	25	
trans-1,3-Dichloropropylene	38		"	50.0	ND	75.0	47.5-135		29.9	25	Non-dir.
Trichloroethylene	50		"	50.0	ND	101	59.3-137		20.3	51.6	
Trichlorofluoromethane	44		"	50.0	ND	88.3	28.9-124		19.5	27	
Vinyl Chloride	40		"	50.0	ND	80.1	29.8-116		20.5	21.8	
Vinyl acetate	4.0		"	50.0	ND	8.04	70-130	Low Bias	34.4	30	Non-dir.
Surrogate: 1,2-Dichloroethane-d4	*54.9*		*"*	*50.0*		*110*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*48.1*		*"*	*50.0*		*96.2*	*63.5-145*				
Surrogate: Toluene-d8	*49.2*		*"*	*50.0*		*98.3*	*81.2-127*				
Batch BK20157 - EPA 5035B											
Blank (BK20157-BLK1)								Prepared: 11/05/2012 Analyzed: 11/06/2012			
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	10	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	10	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	10	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	50	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	10	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20157 - EPA 5035B											
Blank (BK20157-BLK1)									Prepared: 11/05/2012 Analyzed: 11/06/2012		
Chloroform	ND	5.0	ug/kg wet								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	10	"								
Surrogate: 1,2-Dichloroethane-d4	*53.5*		*ug/L*	*50.0*		*107*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*48.0*		*"*	*50.0*		*95.9*	*63.5-145*				
Surrogate: Toluene-d8	*50.0*		*"*	*50.0*		*99.9*	*81.2-127*				

YORK
ANALYTICAL LABORATORIES, INC.

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20157 - EPA 5035B											
LCS (BK20157-BS1)								Prepared: 11/05/2012 Analyzed: 11/06/2012			
1,1,1,2-Tetrachloroethane	50		ug/L	50.0		99.2	71.7-135				
1,1,1-Trichloroethane	52		"	50.0		105	72.6-137				
1,1,2,2-Tetrachloroethane	47		"	50.0		94.1	65.4-135				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0		113	67.8-129				
1,1,2-Trichloroethane	48		"	50.0		97.0	68.6-132				
1,1-Dichloroethane	50		"	50.0		101	71.7-131				
1,1-Dichloroethylene	53		"	50.0		105	74.4-148				
1,1-Dichloropropylene	47		"	50.0		93.7	72.5-135				
1,2,3-Trichlorobenzene	54		"	50.0		107	62.7-139				
1,2,3-Trichloropropane	48		"	50.0		95.4	61.7-131				
1,2,4-Trichlorobenzene	54		"	50.0		108	65-139				
1,2,4-Trimethylbenzene	46		"	50.0		91.5	73.1-136				
1,2-Dibromo-3-chloropropane	51		"	50.0		103	53.3-149				
1,2-Dibromoethane	49		"	50.0		98.4	72.7-134				
1,2-Dichlorobenzene	48		"	50.0		95.2	71.6-125				
1,2-Dichloroethane	53		"	50.0		106	68.7-136				
1,2-Dichloropropane	47		"	50.0		94.4	68.2-136				
1,3,5-Trimethylbenzene	46		"	50.0		91.1	69.7-127				
1,3-Dichlorobenzene	46		"	50.0		92.6	69.8-129				
1,3-Dichloropropane	49		"	50.0		98.1	69.3-132				
1,4-Dichlorobenzene	47		"	50.0		94.4	71.3-129				
1,4-Dioxane	17		"	50.0		33.8	70-130	Low Bias			
2,2-Dichloropropane	49		"	50.0		98.2	65.5-131				
2-Butanone	48		"	50.0		95.9	70-130				
2-Chlorotoluene	44		"	50.0		87.8	64.2-120				
4-Chlorotoluene	47		"	50.0		93.6	68.8-129				
Acetone	35		"	50.0		70.3	70-130				
Benzene	48		"	50.0		96.4	70.4-128				
Bromobenzene	46		"	50.0		92.5	66.8-127				
Bromochloromethane	48		"	50.0		95.9	71.6-133				
Bromodichloromethane	52		"	50.0		103	70.6-136				
Bromoform	50		"	50.0		101	63.2-139				
Bromomethane	42		"	50.0		84.7	50.2-135				
Carbon tetrachloride	53		"	50.0		106	71.9-140				
Chlorobenzene	49		"	50.0		97.6	76.4-127				
Chloroethane	46		"	50.0		92.8	50.8-142				
Chloroform	52		"	50.0		103	73.6-132				
Chloromethane	49		"	50.0		98.2	32.9-131				
cis-1,2-Dichloroethylene	47		"	50.0		94.5	69.5-128				
cis-1,3-Dichloropropylene	45		"	50.0		90.8	66.6-129				
Dibromochloromethane	52		"	50.0		104	71.4-135				
Dibromomethane	50		"	50.0		100	72.3-133				
Dichlorodifluoromethane	63		"	50.0		126	39.4-108	High Bias			
Ethyl Benzene	49		"	50.0		98.7	75.2-131				
Hexachlorobutadiene	50		"	50.0		99.6	60.5-130				
Isopropylbenzene	45		"	50.0		90.8	73.7-136				
Methyl tert-butyl ether (MTBE)	53		"	50.0		107	56.5-140				
Methylene chloride	48		"	50.0		96.1	58.4-120				
Naphthalene	61		"	50.0		122	55.2-150				
n-Butylbenzene	46		"	50.0		91.3	63.7-125				
n-Propylbenzene	45		"	50.0		89.7	67.8-128				
o-Xylene	48		"	50.0		96.4	70.4-126				
p- & m- Xylenes	99		"	100		99.2	73.8-130				
p-Isopropyltoluene	47		"	50.0		93.7	71.1-131				

YORK
ANALYTICAL LABORATORIES, INC.

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20157 - EPA 5035B											
LCS (BK20157-BS1)								Prepared: 11/05/2012 Analyzed: 11/06/2012			
sec-Butylbenzene	46		ug/L	50.0		92.2	68.6-126				
Styrene	49		"	50.0		98.5	71.7-126				
tert-Butylbenzene	45		"	50.0		90.8	76.4-151				
Tetrachloroethylene	53		"	50.0		106	65-168				
Toluene	47		"	50.0		93.7	72.5-127				
trans-1,2-Dichloroethylene	52		"	50.0		103	62.2-144				
trans-1,3-Dichloropropylene	51		"	50.0		102	66-135				
Trichloroethylene	49		"	50.0		97.8	72.6-133				
Trichlorofluoromethane	51		"	50.0		102	51.5-131				
Vinyl Chloride	46		"	50.0		92.0	47-126				
Vinyl acetate	28		"	50.0		55.5	70-130	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	*52.6*		*"*	*50.0*		*105*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*48.6*		*"*	*50.0*		*97.2*	*63.5-145*				
Surrogate: Toluene-d8	*48.3*		*"*	*50.0*		*96.6*	*81.2-127*				
LCS Dup (BK20157-BSD1)								Prepared: 11/05/2012 Analyzed: 11/06/2012			
1,1,1,2-Tetrachloroethane	52		ug/L	50.0		104	71.7-135		4.74	22.3	
1,1,1-Trichloroethane	56		"	50.0		112	72.6-137		6.65	22.5	
1,1,2,2-Tetrachloroethane	49		"	50.0		97.9	65.4-135		3.98	23.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60		"	50.0		120	67.8-129		5.80	25	
1,1,2-Trichloroethane	51		"	50.0		102	68.6-132		5.07	22.6	
1,1-Dichloroethane	53		"	50.0		106	71.7-131		5.33	22.8	
1,1-Dichloroethylene	56		"	50.0		112	74.4-148		5.64	26.8	
1,1-Dichloropropylene	50		"	50.0		99.2	72.5-135		5.66	22	
1,2,3-Trichlorobenzene	53		"	50.0		106	62.7-139		0.786	25.6	
1,2,3-Trichloropropane	48		"	50.0		96.6	61.7-131		1.21	24.2	
1,2,4-Trichlorobenzene	52		"	50.0		104	65-139		3.21	26.6	
1,2,4-Trimethylbenzene	48		"	50.0		96.5	73.1-136		5.26	24.3	
1,2-Dibromo-3-chloropropane	52		"	50.0		104	53.3-149		1.47	29.1	
1,2-Dibromoethane	52		"	50.0		103	72.7-134		4.88	21.1	
1,2-Dichlorobenzene	49		"	50.0		98.8	71.6-125		3.77	22.8	
1,2-Dichloroethane	56		"	50.0		112	68.7-136		5.70	21.6	
1,2-Dichloropropane	51		"	50.0		102	68.2-136		7.43	22.5	
1,3,5-Trimethylbenzene	49		"	50.0		97.4	69.7-127		6.66	23.3	
1,3-Dichlorobenzene	47		"	50.0		93.6	69.8-129		1.10	23.3	
1,3-Dichloropropane	51		"	50.0		102	69.3-132		4.01	22.4	
1,4-Dichlorobenzene	48		"	50.0		96.9	71.3-129		2.70	23.9	
1,4-Dioxane	13		"	50.0		26.7	70-130	Low Bias	23.6	30	
2,2-Dichloropropane	52		"	50.0		105	65.5-131		6.60	22	
2-Butanone	48		"	50.0		96.0	70-130		0.0834	30	
2-Chlorotoluene	46		"	50.0		92.6	64.2-120		5.36	23.3	
4-Chlorotoluene	49		"	50.0		98.8	68.8-129		5.32	23.5	
Acetone	39		"	50.0		78.9	70-130		11.5	30	
Benzene	51		"	50.0		102	70.4-128		5.20	21.8	
Bromobenzene	49		"	50.0		98.6	66.8-127		6.38	23.1	
Bromochloromethane	51		"	50.0		101	71.6-133		5.26	22	
Bromodichloromethane	55		"	50.0		110	70.6-136		6.35	22.7	
Bromoform	52		"	50.0		105	63.2-139		3.62	23.3	
Bromomethane	47		"	50.0		93.4	50.2-135		9.70	29.1	
Carbon tetrachloride	56		"	50.0		112	71.9-140		5.46	22.4	
Chlorobenzene	51		"	50.0		101	76.4-127		3.72	21.8	
Chloroethane	50		"	50.0		101	50.8-142		8.48	24	
Chloroform	54		"	50.0		108	73.6-132		4.73	21.9	
Chloromethane	51		"	50.0		102	32.9-131		3.76	22.8	

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20157 - EPA 5035B											
LCS Dup (BK20157-BSD1)								Prepared: 11/05/2012 Analyzed: 11/06/2012			
cis-1,2-Dichloroethylene	50		ug/L	50.0		100	69.5-128		5.71	22	
cis-1,3-Dichloropropylene	47		"	50.0		94.8	66.6-129		4.29	22.7	
Dibromochloromethane	56		"	50.0		112	71.4-135		7.85	22.1	
Dibromomethane	53		"	50.0		105	72.3-133		5.03	23.1	
Dichlorodifluoromethane	67		"	50.0		134	39.4-108	High Bias	6.07	26	
Ethyl Benzene	51		"	50.0		102	75.2-131		3.72	22.5	
Hexachlorobutadiene	51		"	50.0		103	60.5-130		3.14	25.4	
Isopropylbenzene	49		"	50.0		97.9	73.7-136		7.55	23.2	
Methyl tert-butyl ether (MTBE)	55		"	50.0		111	56.5-140		3.50	30.6	
Methylene chloride	51		"	50.0		102	58.4-120		6.25	23.8	
Naphthalene	62		"	50.0		124	55.2-150		1.32	29.4	
n-Butylbenzene	47		"	50.0		93.8	63.7-125		2.79	25.3	
n-Propylbenzene	48		"	50.0		95.5	67.8-128		6.26	28.9	
o-Xylene	50		"	50.0		99.9	70.4-126		3.53	22.7	
p- & m- Xylenes	100		"	100		103	73.8-130		3.80	23	
p-Isopropyltoluene	49		"	50.0		98.2	71.1-131		4.69	23.4	
sec-Butylbenzene	49		"	50.0		98.9	68.6-126		7.01	23.3	
Styrene	51		"	50.0		102	71.7-126		3.41	21.9	
tert-Butylbenzene	49		"	50.0		97.1	76.4-151		6.73	45.4	
Tetrachloroethylene	57		"	50.0		115	65-168		8.53	27.9	
Toluene	50		"	50.0		99.9	72.5-127		6.40	22.9	
trans-1,2-Dichloroethylene	55		"	50.0		110	62.2-144		6.49	24.6	
trans-1,3-Dichloropropylene	53		"	50.0		106	66-135		4.73	23	
Trichloroethylene	53		"	50.0		105	72.6-133		7.37	21.9	
Trichlorofluoromethane	55		"	50.0		109	51.5-131		6.88	24.2	
Vinyl Chloride	49		"	50.0		97.4	47-126		5.72	25.5	
Vinyl acetate	28		"	50.0		55.7	70-130	Low Bias	0.360	30	
Surrogate: 1,2-Dichloroethane-d4	*53.0*		*"*	*50.0*		*106*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*49.4*		*"*	*50.0*		*98.7*	*63.5-145*				
Surrogate: Toluene-d8	*49.0*		*"*	*50.0*		*98.1*	*81.2-127*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20120 - EPA 3550B											
Blank (BK20120-BLK1)								Prepared & Analyzed: 11/05/2012			
Acenaphthene	ND	167	ug/kg wet								
Acenaphthylene	ND	167	"								
Aniline	ND	167	"								
Anthracene	ND	167	"								
Benzo(a)anthracene	ND	167	"								
Benzo(a)pyrene	ND	167	"								
Benzo(b)fluoranthene	ND	167	"								
Benzo(g,h,i)perylene	ND	167	"								
Benzyl alcohol	ND	167	"								
Benzo(k)fluoranthene	ND	167	"								
Benzyl butyl phthalate	ND	167	"								
4-Bromophenyl phenyl ether	ND	167	"								
4-Chloro-3-methylphenol	ND	167	"								
4-Chloroaniline	ND	167	"								
Bis(2-chloroethoxy)methane	ND	167	"								
Bis(2-chloroethyl)ether	ND	167	"								
Bis(2-chloroisopropyl)ether	ND	167	"								
Bis(2-ethylhexyl)phthalate	ND	167	"								
2-Chloronaphthalene	ND	167	"								
2-Chlorophenol	ND	167	"								
4-Chlorophenyl phenyl ether	ND	167	"								
Chrysene	ND	167	"								
Dibenzo(a,h)anthracene	ND	167	"								
Dibenzofuran	ND	167	"								
Di-n-butyl phthalate	ND	167	"								
1,2-Dichlorobenzene	ND	167	"								
1,4-Dichlorobenzene	ND	167	"								
1,3-Dichlorobenzene	ND	167	"								
3,3'-Dichlorobenzidine	ND	167	"								
2,4-Dichlorophenol	ND	167	"								
Diethyl phthalate	ND	167	"								
2,4-Dimethylphenol	ND	167	"								
Dimethyl phthalate	ND	167	"								
2-Nitroaniline	ND	167	"								
4,6-Dinitro-2-methylphenol	ND	333	"								
2,4-Dinitrophenol	ND	333	"								
2,6-Dinitrotoluene	ND	167	"								
2,4-Dinitrotoluene	ND	167	"								
Di-n-octyl phthalate	ND	167	"								
Fluoranthene	ND	167	"								
Fluorene	ND	167	"								
Hexachlorobenzene	ND	167	"								
Hexachlorobutadiene	ND	167	"								
Hexachlorocyclopentadiene	ND	167	"								
Hexachloroethane	ND	167	"								
Indeno(1,2,3-cd)pyrene	ND	167	"								
Isophorone	ND	167	"								
2-Methylnaphthalene	ND	167	"								
2-Methylphenol	ND	167	"								
3- & 4-Methylphenols	ND	167	"								
Naphthalene	ND	167	"								
3-Nitroaniline	ND	167	"								
4-Nitroaniline	ND	167	"								
Nitrobenzene	ND	167	"								

YORK
ANALYTICAL LABORATORIES, INC.

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20120 - EPA 3550B											
Blank (BK20120-BLK1)							Prepared & Analyzed: 11/05/2012				
4-Nitrophenol	ND	167	ug/kg wet								
2-Nitrophenol	ND	167	"								
N-nitroso-di-n-propylamine	ND	167	"								
N-Nitrosodimethylamine	ND	167	"								
N-Nitrosodiphenylamine	ND	167	"								
Pentachlorophenol	ND	167	"								
Phenanthrene	ND	167	"								
Phenol	ND	167	"								
Pyrene	ND	167	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	167	"								
2,4,5-Trichlorophenol	ND	167	"								
2,4,6-Trichlorophenol	ND	167	"								
Surrogate: 2,4,6-Tribromophenol	*1860*		*"*	*2500*		*74.5*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*1110*		*"*	*1670*		*66.2*	*30-130*				
Surrogate: 2-Fluorophenol	*1680*		*"*	*2510*		*67.2*	*15-110*				
Surrogate: Nitrobenzene-d5	*1190*		*"*	*1670*		*71.3*	*30-130*				
Surrogate: Phenol-d5	*1660*		*"*	*2500*		*66.5*	*15-110*				
Surrogate: Terphenyl-d14	*1090*		*"*	*1670*		*65.3*	*30-130*				
LCS (BK20120-BS1)							Prepared & Analyzed: 11/05/2012				
Acenaphthene	803	167	ug/kg wet	1670		48.2	31.1-109				
Acenaphthylene	806	167	"	1670		48.4	31.1-106				
Aniline	680	167	"	1670		40.8	5.07-149				
Anthracene	794	167	"	1670		47.7	31.5-107				
Benzo(a)anthracene	737	167	"	1670		44.2	31.5-115				
Benzo(a)pyrene	1060	167	"	1670		63.6	29.1-138				
Benzo(b)fluoranthene	1130	167	"	1670		68.0	14.9-131				
Benzo(g,h,i)perylene	980	167	"	1670		58.8	6.56-121				
Benzyl alcohol	938	167	"	1670		56.3	25.4-119				
Benzo(k)fluoranthene	896	167	"	1670		53.8	29.1-121				
Benzyl butyl phthalate	725	167	"	1670		43.5	31.3-112				
4-Bromophenyl phenyl ether	804	167	"	1670		48.3	25.2-113				
4-Chloro-3-methylphenol	864	167	"	1670		51.8	29.5-124				
4-Chloroaniline	771	167	"	1670		46.3	10-177				
Bis(2-chloroethoxy)methane	873	167	"	1670		52.4	27.9-111				
Bis(2-chloroethyl)ether	850	167	"	1670		51.0	18-122				
Bis(2-chloroisopropyl)ether	841	167	"	1670		50.5	9.62-123				
Bis(2-ethylhexyl)phthalate	726	167	"	1670		43.6	25-105				
2-Chloronaphthalene	906	167	"	1670		54.4	31.7-108				
2-Chlorophenol	870	167	"	1670		52.2	20.3-125				
4-Chlorophenyl phenyl ether	748	167	"	1670		44.9	23.6-110				
Chrysene	718	167	"	1670		43.1	27.4-117				
Dibenzo(a,h)anthracene	1000	167	"	1670		60.0	14.6-119				
Dibenzofuran	806	167	"	1670		48.4	30.2-108				
Di-n-butyl phthalate	790	167	"	1670		47.4	33.5-100				
1,2-Dichlorobenzene	864	167	"	1670		51.8	22.8-114				
1,4-Dichlorobenzene	853	167	"	1670		51.2	19.8-121				
1,3-Dichlorobenzene	870	167	"	1670		52.2	20.6-119				
3,3'-Dichlorobenzidine	708	167	"	1670		42.5	10-180				
2,4-Dichlorophenol	870	167	"	1670		52.2	23.3-125				
Diethyl phthalate	825	167	"	1670		49.5	29.7-111				
2,4-Dimethylphenol	869	167	"	1670		52.2	29.8-115				
Dimethyl phthalate	927	167	"	1670		55.6	27-118				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20120 - EPA 3550B											
LCS (BK20120-BS1)							Prepared & Analyzed: 11/05/2012				
4,6-Dinitro-2-methylphenol	959	333	ug/kg wet	1670		57.5	10-122				
2-Nitroaniline	956	167	"	1670		57.4	40-140				
2,4-Dinitrophenol	1120	333	"	1670		67.1	10-151				
2,6-Dinitrotoluene	893	167	"	1670		53.6	26.1-119				
2,4-Dinitrotoluene	892	167	"	1670		53.5	21.4-126				
Di-n-octyl phthalate	897	167	"	1670		53.8	19-129				
Fluoranthene	806	167	"	1670		48.4	31.3-110				
Fluorene	818	167	"	1670		49.1	29.9-108				
Hexachlorobenzene	803	167	"	1670		48.2	31.7-102				
Hexachlorobutadiene	808	167	"	1670		48.5	10.1-134				
Hexachlorocyclopentadiene	783	167	"	1670		47.0	10-122				
Hexachloroethane	896	167	"	1670		53.7	20.2-114				
Indeno(1,2,3-cd)pyrene	1020	167	"	1670		61.4	12.6-120				
Isophorone	885	167	"	1670		53.1	27.2-113				
2-Methylnaphthalene	760	167	"	1670		45.6	17.4-119				
2-Methylphenol	782	167	"	1670		46.9	23.6-125				
3- & 4-Methylphenols	869	167	"	1670		52.2	21.3-115				
Naphthalene	830	167	"	1670		49.8	25.2-111				
3-Nitroaniline	1160	167	"	1670		69.5	9.73-147				
4-Nitroaniline	962	167	"	1670		57.7	6.42-169				
Nitrobenzene	850	167	"	1670		51.0	21.8-118				
4-Nitrophenol	838	167	"	1670		50.3	10-136				
2-Nitrophenol	873	167	"	1670		52.4	20.6-119				
N-nitroso-di-n-propylamine	855	167	"	1670		51.3	25.3-118				
N-Nitrosodimethylamine	954	167	"	1670		57.3	10-142				
N-Nitrosodiphenylamine	949	167	"	1670		56.9	35.8-132				
Pentachlorophenol	960	167	"	1670		57.6	3.68-146				
Phenanthrene	807	167	"	1670		48.4	31.2-105				
Phenol	775	167	"	1670		46.5	23.2-117				
Pyrene	713	167	"	1670		42.8	26.3-124				
Pyridine	960	167	"	1670		57.6	10-122				
1,2,4-Trichlorobenzene	851	167	"	1670		51.1	19.3-128				
2,4,5-Trichlorophenol	823	167	"	1670		49.4	19.5-131				
2,4,6-Trichlorophenol	899	167	"	1670		53.9	24.2-123				
Surrogate: 2,4,6-Tribromophenol	*1810*		*"*	*2500*		*72.4*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*1120*		*"*	*1670*		*67.1*	*30-130*				
Surrogate: 2-Fluorophenol	*1880*		*"*	*2510*		*75.1*	*15-110*				
Surrogate: Nitrobenzene-d5	*1270*		*"*	*1670*		*75.9*	*30-130*				
Surrogate: Phenol-d5	*1720*		*"*	*2500*		*69.0*	*15-110*				
Surrogate: Terphenyl-d14	*1070*		*"*	*1670*		*63.8*	*30-130*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20163 - EPA 3550B											
Blank (BK20163-BLK1)								Prepared & Analyzed: 11/06/2012			
Toxaphene	ND	16.7	ug/kg wet								
Methoxychlor	ND	1.65	"								
Heptachlor epoxide	ND	0.330	"								
Heptachlor	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Endrin ketone	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Dieldrin	ND	0.330	"								
delta-BHC	ND	0.330	"								
Chlordane, total	ND	1.32	"								
beta-BHC	ND	0.330	"								
alpha-BHC	ND	0.330	"								
Aldrin	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
4,4'-DDE	ND	0.330	"								
4,4'-DDD	ND	0.330	"								
Aroclor 1260	ND	17.0	"								
Aroclor 1254	ND	17.0	"								
Aroclor 1248	ND	17.0	"								
Aroclor 1242	ND	17.0	"								
Aroclor 1232	ND	17.0	"								
Aroclor 1221	ND	17.0	"								
Aroclor 1016	ND	17.0	"								
Total PCBs	ND	17.0	"								
Surrogate: Tetrachloro-m-xylene	*72.7*		*"*	*67.0*		*109*	*30-150*				
Surrogate: Decachlorobiphenyl	*63.9*		*"*	*67.0*		*95.4*	*30-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20163 - EPA 3550B											
LCS (BK20163-BS1)							Prepared & Analyzed: 11/06/2012				
Methoxychlor	21.2	1.65	ug/kg wet	33.3		63.5	40-140				
Heptachlor epoxide	20.7	0.330	"	33.3		62.1	40-140				
Heptachlor	22.3	0.330	"	33.3		66.8	40-140				
gamma-BHC (Lindane)	21.0	0.330	"	33.3		63.1	40-140				
Endrin ketone	19.1	0.330	"	33.3		57.3	40-140				
Endrin aldehyde	22.3	0.330	"	33.3		66.9	40-140				
Endrin	19.7	0.330	"	33.3		59.0	40-140				
Endosulfan sulfate	19.4	0.330	"	33.3		58.1	40-140				
Endosulfan II	24.2	0.330	"	33.3		72.5	40-140				
Endosulfan I	24.3	0.330	"	33.3		73.0	40-140				
Dieldrin	21.2	0.330	"	33.3		63.7	40-140				
delta-BHC	19.5	0.330	"	33.3		58.6	40-140				
beta-BHC	21.7	0.330	"	33.3		65.0	40-140				
alpha-BHC	22.0	0.330	"	33.3		65.9	40-140				
Aldrin	21.7	0.330	"	33.3		65.2	40-140				
4,4'-DDT	22.2	0.330	"	33.3		66.6	40-140				
4,4'-DDE	14.5	0.330	"	33.3		43.6	40-140				
4,4'-DDD	19.3	0.330	"	33.3		57.9	40-140				
Aroclor 1260	ND	17.0	"				40-140				
Aroclor 1016	ND	17.0	"				40-140				
Surrogate: Tetrachloro-m-xylene	*63.0*		*"*	*67.0*		*94.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*49.2*		*"*	*67.0*		*73.4*	*30-150*				
LCS (BK20163-BS2)							Prepared & Analyzed: 11/06/2012				
Methoxychlor	ND	1.65	ug/kg wet				40-140				
Heptachlor epoxide	ND	0.330	"				40-140				
Heptachlor	ND	0.330	"				40-140				
gamma-BHC (Lindane)	ND	0.330	"				40-140				
Endrin ketone	ND	0.330	"				40-140				
Endrin aldehyde	ND	0.330	"				40-140				
Endrin	ND	0.330	"				40-140				
Endosulfan sulfate	ND	0.330	"				40-140				
Endosulfan II	ND	0.330	"				40-140				
Endosulfan I	ND	0.330	"				40-140				
Dieldrin	ND	0.330	"				40-140				
delta-BHC	ND	0.330	"				40-140				
beta-BHC	ND	0.330	"				40-140				
alpha-BHC	ND	0.330	"				40-140				
Aldrin	ND	0.330	"				40-140				
4,4'-DDT	ND	0.330	"				40-140				
4,4'-DDE	ND	0.330	"				40-140				
4,4'-DDD	ND	0.330	"				40-140				
Aroclor 1260	240	17.0	"	333		72.1	40-140				
Aroclor 1016	274	17.0	"	333		82.1	40-140				
Surrogate: Tetrachloro-m-xylene	*54.0*		*"*	*67.0*		*80.6*	*30-150*				
Surrogate: Decachlorobiphenyl	*49.7*		*"*	*67.0*		*74.1*	*30-150*				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20163 - EPA 3550B											
LCS Dup (BK20163-BSD2)								Prepared & Analyzed: 11/06/2012			
Methoxychlor	ND	1.65	ug/kg wet				40-140			200	
Heptachlor epoxide	ND	0.330	"				40-140			200	
Heptachlor	ND	0.330	"				40-140			200	
gamma-BHC (Lindane)	ND	0.330	"				40-140			200	
Endrin ketone	ND	0.330	"				40-140			200	
Endrin aldehyde	ND	0.330	"				40-140			200	
Endrin	ND	0.330	"				40-140			200	
Endosulfan sulfate	ND	0.330	"				40-140			200	
Endosulfan II	ND	0.330	"				40-140			200	
Endosulfan I	ND	0.330	"				40-140			200	
Dieldrin	ND	0.330	"				40-140			200	
delta-BHC	ND	0.330	"				40-140			200	
beta-BHC	ND	0.330	"				40-140			200	
alpha-BHC	ND	0.330	"				40-140			200	
Aldrin	ND	0.330	"				40-140			200	
4,4'-DDT	ND	0.330	"				40-140			200	
4,4'-DDE	ND	0.330	"				40-140			200	
4,4'-DDD	ND	0.330	"				40-140			200	
Aroclor 1260	247	17.0	"	333		74.2	40-140		2.92	25	
Aroclor 1016	276	17.0	"	333		82.7	40-140		0.704	25	
Surrogate: Tetrachloro-m-xylene	*53.7*		*"*	*67.0*		*80.1*	*30-150*				
Surrogate: Decachlorobiphenyl	*51.7*		*"*	*67.0*		*77.1*	*30-150*				

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20183 - EPA 3050B											
Blank (BK20183-BLK1)								Prepared & Analyzed: 11/06/2012			
Aluminum	ND	2.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	0.500	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.500	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	0.344	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	1.00	"								
Nickel	ND	0.500	"								
Potassium	ND	10.0	"								
Selenium	ND	0.500	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	0.500	"								
Vanadium	ND	0.500	"								
Zinc	ND	0.500	"								
Duplicate (BK20183-DUP1)	*Source sample: 12K0043-01 (SP-1 (0'-2'))							Prepared & Analyzed: 11/06/2012			
Aluminum	9640	2.15	mg/kg dry		9640				0.0606	35	
Antimony	ND	0.539	"		ND					35	
Arsenic	8.27	1.08	"		8.10				2.17	35	
Barium	171	0.539	"		172				0.561	35	
Beryllium	ND	0.108	"		ND					35	
Cadmium	ND	0.539	"		ND					35	
Calcium	23500	5.39	"		23600				0.229	35	
Chromium	18.0	0.539	"		18.1				0.613	35	
Cobalt	6.16	0.539	"		6.23				1.11	35	
Copper	30.4	0.539	"		30.6				0.910	35	
Iron	14900	2.15	"		14800				0.173	35	
Lead	1310	0.323	"		1320				0.758	35	
Magnesium	3730	5.39	"		3720				0.429	35	
Manganese	228	1.08	"		230				0.621	35	
Nickel	19.4	0.539	"		19.8				1.82	35	
Potassium	1270	10.8	"		1270				0.0564	35	
Selenium	3.47	0.539	"		3.17				8.95	200	
Silver	ND	0.539	"		ND					35	
Sodium	536	10.8	"		535				0.285	35	
Thallium	ND	0.539	"		ND					35	
Vanadium	24.0	0.539	"		24.3				1.18	35	
Zinc	197	0.539	"		198				0.496	35	

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20183 - EPA 3050B											
Matrix Spike (BK20183-MS1)	*Source sample: 12K0043-01 (SP-1 (0'-2'))							Prepared & Analyzed: 11/06/2012			
Aluminum	9900	2.15	mg/kg dry	215	9640	120	75-125				
Antimony	30.3	0.539	"	26.9	ND	113	75-125				
Arsenic	232	1.08	"	215	8.10	104	75-125				
Barium	400	0.539	"	215	172	106	75-125				
Beryllium	5.52	0.108	"	5.39	ND	103	75-125				
Cadmium	4.57	0.539	"	5.39	ND	84.8	75-125				
Chromium	39.7	0.539	"	21.5	18.1	100	75-125				
Cobalt	60.0	0.539	"	53.9	6.23	99.9	75-125				
Copper	59.9	0.539	"	26.9	30.6	109	75-125				
Iron	14900	2.15	"	108	14800	98.1	75-125				
Lead	1370	0.323	"	53.9	1320	98.7	75-125				
Magnesium	3730	5.39	"		3720		75-125				
Manganese	286	1.08	"	53.9	230	105	75-125				
Nickel	75.8	0.539	"	53.9	19.8	104	75-125				
Potassium	1270	10.8	"		1270		75-125				
Silver	3.35	0.539	"	5.39	ND	62.3	75-125	Low Bias			
Sodium	536	10.8	"		535		75-125				
Thallium	208	0.539	"	215	ND	96.7	75-125				
Vanadium	78.4	0.539	"	53.9	24.3	100	75-125				
Zinc	250	0.539	"	53.9	198	97.2	75-125				
Reference (BK20183-SRM1)								Prepared & Analyzed: 11/06/2012			
Aluminum	8740	2.00	mg/kg wet	9310		93.8	43.3-157				
Antimony	114	0.500	"	120		94.8	20.8-253				
Arsenic	162	1.00	"	168		96.2	70.8-130				
Barium	204	0.500	"	213		95.6	73.2-127				
Beryllium	101	0.100	"	110		91.9	75.1-125				
Cadmium	93.2	0.500	"	103		90.5	73-126				
Calcium	6430	5.00	"	6870		93.6	74.4-126				
Chromium	108	0.500	"	119		91.2	69.7-129				
Cobalt	124	0.500	"	131		94.9	74.4-125				
Copper	115	0.500	"	118		97.6	74.6-125				
Iron	13300	2.00	"	13000		102	32.2-168				
Lead	68.8	0.300	"	76.9		89.5	68.7-131				
Magnesium	2570	5.00	"	2780		92.3	61.5-135				
Manganese	326	1.00	"	338		96.5	75.4-125				
Nickel	76.6	0.500	"	70.0		109	70.9-129				
Potassium	3010	10.0	"	3130		96.2	62.9-137				
Selenium	126	0.500	"	126		100	66.7-134				
Silver	37.1	0.500	"	42.3		87.6	66.2-134				
Sodium	355	10.0	"	350		102	42.9-157				
Thallium	190	0.500	"	208		91.2	69.2-121				
Vanadium	85.3	0.500	"	87.1		97.9	63.1-137				
Zinc	252	0.500	"	276		91.3	71.3-129				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK20129 - EPA SW846-7471											
Blank (BK20129-BLK1)								Prepared & Analyzed: 11/05/2012			
Mercury	ND	0.100	mg/kg wet								
LCS (BK20129-BS1)								Prepared & Analyzed: 11/05/2012			
Mercury	2.08		mg/kg	2.96		70.3	67.6-131				

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
12K0043-01	SP-1 (0'-2')	2 oz. WM Clear Glass Cool to 4° C
12K0043-02	SP-1 (14'-16')	2 oz. WM Clear Glass Cool to 4° C
12K0043-03	SP-2 (0'-2')	2 oz. WM Clear Glass Cool to 4° C
12K0043-04	SP-2 (14'-16')	2 oz. WM Clear Glass Cool to 4° C
12K0043-05	SP-3 (0'-2')	2 oz. WM Clear Glass Cool to 4° C
12K0043-06	SP-3 (2'-3')	2 oz. WM Clear Glass Cool to 4° C

Notes and Definitions

VOA-CONT NON-COMPLIANT- the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A or NYSDOH ELAP. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.

B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

Page ____ of ____

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. 12K0043

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: HydroTech Environmental	Company:	Company:	#120210	RUSH - Same Day ☐	Summary Report
Address: 77 Arkay Drive	Address: SAME	Address: SAME	321 W. 35th St	RUSH - Next Day ☐	Summary w/ QA Summary
Hauppauge NY 11788			Purchase Order No.	RUSH - Two Day ☐	CT RCP Package
Phone No: 631-462-5866	Phone No:	Phone No:	5401	RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
Contact Person: Paul Mattli	Attention: Carlos Quinonez	Attention: Mushima Ward		RUSH - Four Day ☐	NYASP A Package
E-Mail Address: pmattli@hydrotech environmental	E-Mail Address: cquinonez@hydrotech environmental	E-Mail Address: mward@hydrotech environmental	Samples from: CT ___ NY ___ NJ ___	Standard (5-7 Days) ✓	NYASP B Package
					NJDEP Red. Deliv
					Electronic Data Deliverables (EDD)
					Simple Excel
					NYSDEC EQuIS
					EQuIS (std)
					EZ-EDD (EQuIS)
					NJDEP SRP HazSite EDD
					GIS/KEY (std)
					Other
					York Regulatory Comparison
					Excel Spreadsheet

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.

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
Chlor Solv	TBV	8270 or 625	8082/PCB	RCRA8	TPH (8015)	Pri Poll	Corrosivity
624	Site Spec	STARS list	8081 Pest	PP13 list	TPH (DRO)	TCL Organics	Reactivity
STARS list	Nassau Co	BN Only	8151 Herb	TAL	CT ETPH	TAL MetCN	Ignitability
BTEX	Suffolk Co	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Kathmandu	PAH list	App. IX	TAGM list	TPH 1664	Full App IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec	NJDEP list	Air TO14A	Pest/Herbicides	Dessicants
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Pest 8081 Herbicides	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Pest 8081 Herbicides	RI/Dly
Ammo. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Pest 8081 Herbicides	Aquatic Tox
Halog. only	NJDEP list	App. IX	Chlordane	Sulfe Metals	Air TICs	NYCDEP Metals	TOC
App IX list	SPLP or TCLP	TCLP HSA	608 Pest	LIST below	Methane	NYSDEC Metals	Asbestos
8021B list		SPLP or TCLP	608 PCB		Ethane	TAGM	Silica

Samples Collected/Authorized By (Signature)

Name (printed)

Matrix Codes
S - soil
Other - specify
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SP-1 (0'-2')	11/1	S	8260, 8270, 8081/8082, TAL Metals	1202 1802
SP-1 (14'-16')	↓	↓	↓	↓
SP-2 (0'-2')	↓	↓	↓	↓
SP-2 (14'-16')	↓	↓	↓	↓
SP-3 (0'-2')	↓	↓	↓	↓
SP-3 (2'-3')	↓	↓	↓	↓

E Designation Parameters

Comments: NEED RESULTS BY WEDNESDAY 11/7

Preservation Check these Applicable: °C ___ Frozen ___ HCl ___ MeOH ___ HNO ___ H_2SO ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions: Field Filtered ☐ Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	11-2-12 11AM	KDahn	11-2-12 11AM
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		Place	11-2-12 1520

Temperature on Receipt: 3.8 °C

REPORT

GEOTECHNICAL ENGINEERING INVESTIGATION

321-325 West 35th Street

New York, New York

Prepared for:

Raber Enterprises LLC
175 Canal Street
New York, New York

Prepared By:

Pillori Associates
One Harmon Plaza, Second Floor
Secaucus, New Jersey 07096

January 2013

PILLORI ASSOCIATES, P.A.
Geotechnical Engineering

January 22, 2013

Raber Enterprises LLC
175 Canal Street
New York, New York

Attn.: Mr. Lance Steinberg

Re: Report for Geotechnical Investigation
321-325 West 35th Street
New York, New York

Gentlemen:

Presented herein is the geotechnical engineering investigation report for the referenced site. The report includes the results of four exploratory borings and four test pits. The logs of the borings and test pits are included herein.

We are confident that the subsurface information and engineering recommendations contained herein will meet the needs of the project. Thank you for the opportunity to be of service. If you have any questions or if we can be of further assistance please call.

Sincerely,

Pillori Associates

71 Route 35, Laurence Harbor, NJ 08879 • Tel: (732) 335-0059 • Fax: (732) 335-8515
One Harmon Plaza, 2nd Floor, Suite 4, Secaucus, NJ 07096 • Tel: (201) 558-0065 • Fax: (201) 558-0067
www.pilloriassociates.com • e-mail: office@pilloriassociates.com

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Boring & Test Pit Location Plan — Drawing 1
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Boring Logs — B-1 through B-4
Test Pits Sections — TP-1 through TP-4
Appendix
Test Pit Photographs
Soil Classification Chart

Introduction

In general accordance with our proposal, dated December 4, 2012, we have completed the geotechnical engineering investigation on the site of the proposed new building at 321-325 West 35th Street, New York, NY. Our investigation consisted of drilling four (4) test borings, excavating four (4) test pits, and installing one (1) groundwater observation well within the future footprint of the building. The purpose of the investigation was to explore the subsurface soil and groundwater conditions on the site and determine the depths of the neighboring foundations in order to formulate engineering recommendations for design and construction of new foundations for the proposed construction.

Project Description

The site was located on the north side of West 35th Street, approximately 250 feet west of 8th Avenue, as shown in the Figure 1. The site consisted of two adjacent lots, which were combined into a single lot, measuring about 54 feet by 99 feet in plan dimensions. Presently, a 1-story masonry building occupies the site. The building has no cellar or basement below street grade. A 5-story, 2-story, and 4-story masonry buildings share the common lot lines along the west, north, and east, respectively.

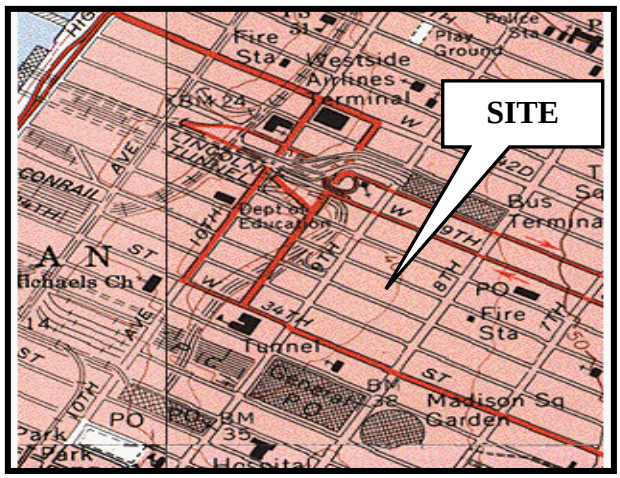


Figure 1, Project Vicinity Map

The project entails demolishing the existing one-story buildings on site to make way for a new 24-story building with one cellar level below street grade. The new building will have a footprint area of about 5,300 square feet.

Subsurface Investigation

The subsurface investigation consisted of drilling four borings, installing one groundwater observation wells and excavating four test pits. Full-time engineering supervision was provided to locate the explorations in the field, direct drilling, sampling, and excavating procedures, and to maintain continuous logs of the explorations. The logs recorded pertinent subsoil and foundation information for our engineering evaluation.

Borings

Warren George, Inc. drilled the borings between the dates of December 20, 2012 and January 3, 2013. The borings were advanced using rotary mud drilling techniques to completion depths ranging from 34 feet to 39 feet. In the borings, Standard Penetration

Tests (SPTs) were performed at regular 5-foot intervals in accordance with procedures specified in ASTM D-1586. Bedrock was core drilled using an NX size double tube core barrel in accordance with the procedures of ASTM D-2113. Detailed field logs were kept during the fieldwork, recording the soil and rock sample descriptions, SPT blow counts and locations, strata changes, and other pertinent information were recorded on detailed field logs

Test Pits

Epic Testing Services, Inc. hand excavated four test pits on December 20 and 21, 2012. The test pits were excavated within 321 and 325 West 35th Street to determine foundation and soil conditions. The test pits were logged and photographs and at completion of each test pit, the exploration was backfilled and the concrete slab restored.

Full-time engineering supervision was provided by Pillori Associates to locate the explorations in the field, direct drilling, sampling and excavation procedures, and maintain continuous logs of the explorations. The logs of the borings, test pit sections and a plan showing their locations "Boring and Test Pit Location Plan, Drawing 1" are attached to this report.

At the conclusion of the investigation, the soil samples from the borings and test pits were delivered to our soil laboratory for re-examination and further classification. The individual sample classifications were combined according to soil group and geologic origin, and their descriptions were recorded on finalized logs. The completed boring logs, sections of the test pit and a Unified Soils Classification System chart are attached to this report.

Subsurface Conditions

The subsurface conditions consisted of a layer of fill material overlying glacial till, which in turn was underlain by Schist bedrock. Generalized descriptions of the strata are presented below in order of increasing depth and are illustrated in the subsurface section shown on Drawings 2. Detailed descriptions of the explorations are presented in the individual logs attached to this report.

Fill (F): A surface layer of fill was found beneath the existing concrete floor slab in all the borings. The fill material consisted of sand, gravel and silt with brick and asphalt fragments. The fill layer extended to between 11to 15' feet below the ground surface. The fill ranged from lose to compact in terms of relative density and was classified as uncontrolled fill, Class 7, in accordance with the NYCBC.

Glacial Till (G_T): Glacial till was encountered beneath the fill layer on all four borings. The glacial till typically consisted of well-graded sands, containing varying percentages of silt, gravel, cobbles and boulders. The layer was very compact in terms of relative density and was classified as SM, Classes 3a, in accordance with the USCS and NYCBC.

Schist Bedrock (DR, R): Schist bedrock was encountered at depths ranging from 26 to 31 feet below the ground surface. A thin layer of decomposed bedrock was encountered overlying competent rock in borings B-3 and B-4. The decomposed rock maintained the fabric and structure of the parent bedrock but was typically friable. The decomposed rock was classified as 1d material in accordance with the NYCBC. Core samples of the underlying competent rock possessed recovery values of 70% to 100% and rock quality designation values of 70% to 93%. The competent rock in all the borings was classified between 1a and 1b material in accordance with the NYCBC.

Groundwater: Groundwater levels were measured at 14.4 ft. in the groundwater observation well installed in boring B-1W.

Existing Foundation Conditions

A total of four test pits were excavated at the properties. The purpose of the test pits was to identify the foundation configurations of the existing foundations. Detailed cross-sections of the test pit conditions are presented in Drawings Nos.3 through 10. Pictures of the test pits are included in the report

Test pits TP-1 and TP-2 were excavated along the west bearing wall within the existing building at 325 West 35th Street. Test pit TP-1 was located toward the front of the building and TP-2 was located toward the rear. Two very different foundation conditions were encountered in the pits. In test pit TP-1 a rubble stone foundation was found extending below a former cellar floor, some 6'-2" feet below the ground floor slab. Two inches of trapped water was found above the former cellar slab. The test pit was terminated upon hitting the former cellar slab. In test pit TP-2 a concrete foundation wall was found, extending to a depth of 4'-3" below the ground floor slab. The concrete wall was supported on a 12" thick concrete footing that projected 10 inches in from the inside face of the concrete foundation wall. The footing was bearing on reasonable compact sandy fill. Given the conditions encountered in these test pits, we believe the rear half or the 325 building was an addition to the original building. Also, it is likely that the cellar space beneath the original building was filled-in as part of the construction plan for the rear addition.

Test Pits TP-3 and TP-4 were excavated along the eastern bearing wall within the existing building at 321 West 35th Street. The foundation conditions encountered in the test pits were almost identical to the conditions encountered in test pits TP-1 and TP-2, respectively. Given these findings, it appears that the 325 building has a similar construction history to the 321 building.

Seismic Criteria

The Site Class Definition for the site was determined using Table 1615.1.1 of the International building Code (IBC). The site classes in the table are based on the average soil/rock properties encountered in the upper 100 feet of the borings. The soil and bedrock conditions encountered in the borings most closely resemble a Site Class

Definition of "Stiff Soil, Class C", presented on Table 1615.1.1 of the IBC. The spectral response accelerations may be determined using Tables 1615.1.2(1) and 1615.1.2(2) in the IBC. The thin soil layer overlying the bedrock on the site was classified as "Liquefaction Unlikely" in accordance with Figure 1813.1 of the NYCBC.

Engineering Evaluation

Suitable bearing soil for conventional concrete footings or mat foundation was encountered in the borings at depths between 11 to 15 feet below the existing ground floor slab inside the existing buildings. The bearing soil consisted of glacial sand with varying amounts of silt, gravel, cobbles and boulders. The bearing material possesses a relatively high allowable bearing pressure; however, if estimated settlement magnitudes exceed tolerable limits, then either driven pile or drilled caisson foundations will be required. Drilled caissons may prove to be more suitable given the relatively shallow drilling depths. Caissons are also capable of high capacities, do not require load tests, and should have minimal impact on the neighboring buildings if properly installed. Driven piles are less costly and more time efficient; however, vibrations due to pile driving may cause settlement and distress to adjacent structures.

Excavations to reach the bearing soil will encounter groundwater at a depth of about 14 feet below the existing slab elevation.

Spread Footings

The very compact glacial till will provided excellent support for conventional shallow concrete foundations at the anticipated foundation level. Conventional spread footings can be proportioned using an allowable bearing pressure of 6 tons per square foot (tsf). Although higher bearing capacities are allowed by the NYCBC, our primary concern with conventional foundations focused on the magnitude of settlement and resulting effect on the neighboring buildings. The actual column loads and column spacing was not known at the time of this report; therefore, parametric settlement analyses were performed assuming spread footings bearing on the natural glacial sand at the aforementioned bearing pressure. The theoretical column spacing was 30 feet, and the footing depths were assumed at a depth of 15 feet below street grade. The results of the settlement analyses are presented in the following table. Slightly less settlement magnitudes can be anticipated for equivalent footings at greater depths.

Table 1 – Settlement Results

Theoretical Column Load (ton)	Theoretical Footing Size (ft)	Predicted Settlement	
		Total (in)	Differential (in)
337	7.5 X 7.5	0.47 – 0.72	0.25
600	10 X 10	0.57 – 1.05	0.48
1,350	15 X 15	0.61 – 1.50	0.89

The predicted settlement ranges, total and differential, are generally within tolerable limits, although the upper limit of predicted settlement for footings greater than 10 X 10 square foot may be objectionable.

The settlement estimates provided herein are strictly based on the building having one cellar level below grade, with the finished sub-cellar floor at least 9 feet below street grade. The settlement estimates can be re-calculated once the final foundation configuration and column loads are provided for our evaluation.

It should be noted that foundation settlements along common property lines will cause the neighboring buildings to settle a similar magnitude. Settlements exceeding 1/4-inch may cause minor cracking of the exterior facades and interior finishes. The developer's obligation to repair and restore the neighboring buildings to pre-construction conditions should be carefully evaluated. The following sections of the report present criteria for the design and construction of new shallow foundations for the proposed construction.

Mat Foundation

We anticipate that settlements for a mat foundation would be approximately one-half the total predicted settlement of the individual footings. The mat can be designed using a preliminary value of subgrade modulus (ks) equal to 300 pounds per cubic inch (pci). After the structural engineer has finalized the foundation loads using these preliminary values, a soil bearing pressure intensity plot should be provided so that we can evaluate the settlement potentials.

Site Preparation

The foundation subgrades should be level and clear of standing or frozen water, debris, or other deleterious materials. The Building Code requires that a Professional Engineer licensed in the state of New York inspect and approve foundation subgrades prior to placement of concrete, to verify that the subgrade material is adequate for the recommended allowable bearing pressure. If requested, Pillori Associates can provide special inspections for footing subgrades during construction under a separate fee proposal. Because the subgrades are likely to be below the groundwater level on the site, we recommend that provisions for protecting the approved subgrades, such as placing 2-inch thick concrete mud mats over 6 inches of clean crushed stone, be incorporated in the construction sequence.

Caissons

Caissons, if used, should consist of N-80 (80 ksi) steel casing with a center reinforcing rod (60-ksi or 75-ksi steel) inserted for the full length of the caisson. Typically, the casing will be seated 12 inches into the top of the bedrock (Class 1c or better) and then the rock socket will be drilled using a down-hole hammer or internal drill bit. Centralizers, spaced 8 to 12 feet on center, should be used to keep the reinforcing rod in the center of the caisson. After the reinforcing rod is installed, the caisson can be tremie

grouted, using 5,000 psi grout through grout tubes extending to the bottom of the caisson. Grouting will be accomplished in a single step, as the caisson capacity will be developed through sidewall friction in the rock socket. The table below presents typical designs 120-ton, 240-ton, and 320-ton capacity caissons for estimating purposes only. Actual caisson designs, if required, can be provided under a separate fee proposal. The uplift capacity of the listed caissons will be limited by the tension capacity of the bar reinforcement, but cannot be exactly determined until pile arrangement is determined by the structural engineer.

Table 2 – Mini-Caisson Design Sections

Caisson Capacity (tons)	Casing Size (in)	Reinforcing Steel Threadbar (75 ksi)	Grout (ksi)	Rocket Socket	
				Diameter (in)	Length (ft)
120	7.0 OD X 0.408 wall	1#18	5.0	5.5	12
240	12.0 OD X 0.5 wall	1#18	5.0	11.5	10
320	20.0 OD X 0.375 wall	2#20	5.0	19.5	10

Because most caisson contractors own proprietary drilling systems, the caisson designs presented above are for estimating purposes only. The contractor should determine the actual caisson design that can be accomplished by his equipment. The caissons must be inspected to verify the construction of the shaft and the depth and quality of the rock socket. The inspection records should be signed and sealed by a professional engineer licensed in the State of New York and submitted to the NYCBD for approval.

Support of Excavation and Underpinning

Temporary soldier beam and timber lagging Support of Excavation (SOE) walls will be required along west 35th street to prevent undermining of the sidewalk, utilities, and roadways, as well as along the east and west property lines, adjacent to open yard areas. A professional engineer licensed in New York State should design the temporary walls and bracing systems. The walls should be designed to withstand the appropriate surcharge, lateral earth and groundwater pressures. Lateral earth pressures for the design of temporary and foundation walls can be calculated using the above recommended soil parameters.

More than likely, the neighboring buildings to the east and west of the site are founded within the glacial soil at higher elevations than the planned excavation, requiring underpinning to re-support the buildings at a lower elevation.

We recommend that all underpinning be performed within lagged pits constructed in such a manner as to prevent ground loss and soil migration. The individual underpinning pits should be four feet wide and should extend at least one foot below subgrade for the new mat foundation. Pockets should be constructed within each of the underpinning piers to allow jacking of the completed piers. The concrete pour should be held 3 inches below

the bottom of the existing footings to allow space for inserting steel plates and wedges to transfer the footing loads. The top 3 inches can be filled with dry pack concrete after the loads are transferred.

The pits should be excavated in an alternating sequence, in which, every fourth pit is completed prior to beginning a new sequence. The sequence should then be repeated until the entire lengths of the neighboring foundations are continuously supported on the new concrete underpinning. If desired, our office can prepare underpinning and SOE plans under a separated fee proposal or we can review and approve underpinning and SOE plans prepared by others.

Lateral Earth Pressures

Lateral earth pressures for conventional foundation walls and support of excavation walls can be determined using the soil properties listed in the table below. The walls must be designed for the lateral earth as well as appropriate surcharge loads.

Table 3 - Soil Properties

Soil Type	Properties	
Fill Material	Unit Weight of Soil (γ)	120 pcf
	Angle of Internal Friction (ϕ)	30°
Glacial Till	Unit Weight of Soil (γ)	135 pcf
	Angle of Internal Friction (ϕ)	36°

Excavation

We anticipate an excavation depth of about 15 feet below the current site grade and about 1 to 2 feet below groundwater level to reach subgrade elevation for the mat foundation or bottom of pile cap elevations. Temporary SOE walls will be required along the south, east and west property lines, and underpinning will be required along the north, east and west property lines. The excavation should be accomplished in stages, wherein, 1) an initial excavation is completed to a maximum depth of 18 inches above the groundwater level or 18 inches above the subgrade elevation of the neighboring footing, whichever is higher; followed by, 2) installation of the dewatering system and underpinning of the neighboring buildings; which in turn is followed by, 3) continued excavation to the final subgrade elevation. All applicable special inspections, safety requirements and regulations, including OSHA requirements, should be met during the excavation.

Dewatering

Excavations that reach or extend below the measured groundwater level will quickly destabilize, consequently, dewatering must be accomplished prior to excavating below the groundwater level on the site. The natural, glacial till immediately below the fill was very granular and contained only minor fractions of silt and clay. Accordingly, the permeability will be relatively high and the stability of the material, wet or dry, will be difficult to maintain during excavation. Maintaining stable soil conditions will be particularly important at the property lines, where excavation below the neighboring foundations can quickly destabilize the bearing soils. As a consequence, we recommend that a dewatering system be designed and installed before any excavation proceeds below the measured groundwater level on the site. The dewatering probably can be accomplished by pumping from deep sumps or well points installed throughout the footprint.

Cellar Floor Slabs

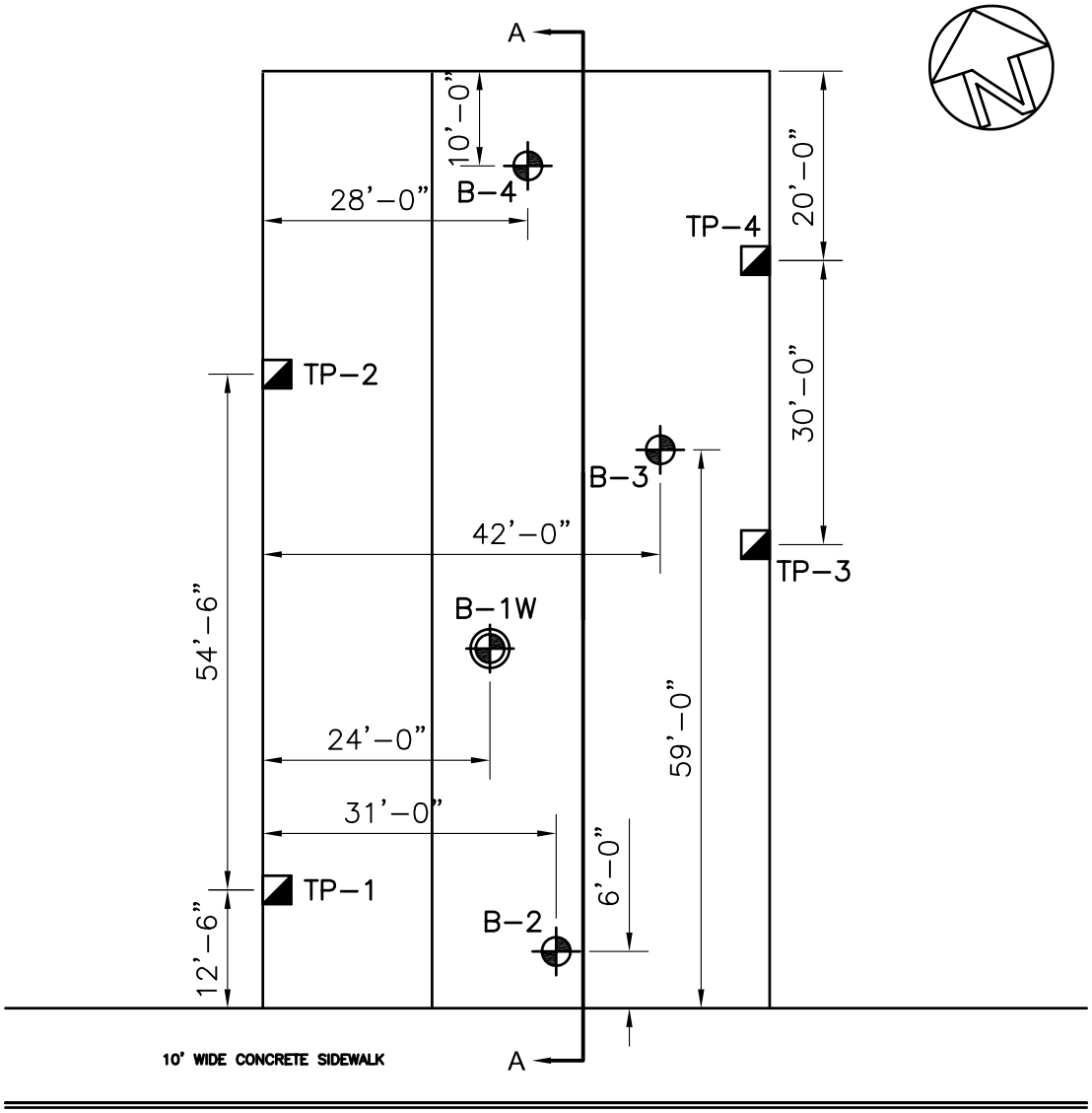
The cellar floor and/or mat foundation should be designed to resist a hydrostatic pressure equivalent to a 3-foot rise in the measured groundwater level on the site. Waterproofing should be provided if the mat/slab is more than 11 feet below sidewalk elevation. Tiedown anchors may also be required to resist uplift pressures both during and after construction. Beneath the mat/slab, we recommend that a 6-inch layer of ¾ inch crushed stone be placed and compacted over the entire subgrade to facilitate dewatering during construction. A 2-inch thick concrete mud mat and continuous waterproofing membrane should be placed on top of the crushed prior to pouring the slab or mat foundation. The waterproofing membrane should be continuous up the outside of the foundation walls. Waterstops and other seepage control measures should be incorporated into the foundation design.

Compacted Fill and Backfill

All compact fill and backfill placed beneath sidewalks, and used for backfilling foundation walls and utility trenches should be performed in a controlled manner using onsite fill material free of organic matter and debris. The fill material should be placed in 12–inch thick loose lifts and compacted to 93% of the maximum dry density as determined ASTM D 1557. Compaction can be performed using walk-behind-vibratory plate or jumping jack type compactors. Lift thickness may be increased to 18 inches for larger compaction equipment.

Closure

This report presents the results of the geotechnical investigation performed at 321-325 West 35th Street New York City, New York. This report is not a bid document, and any contractor reviewing this report must draw his own conclusions regarding specific construction techniques to be used on this project.



WEST 35th STREET

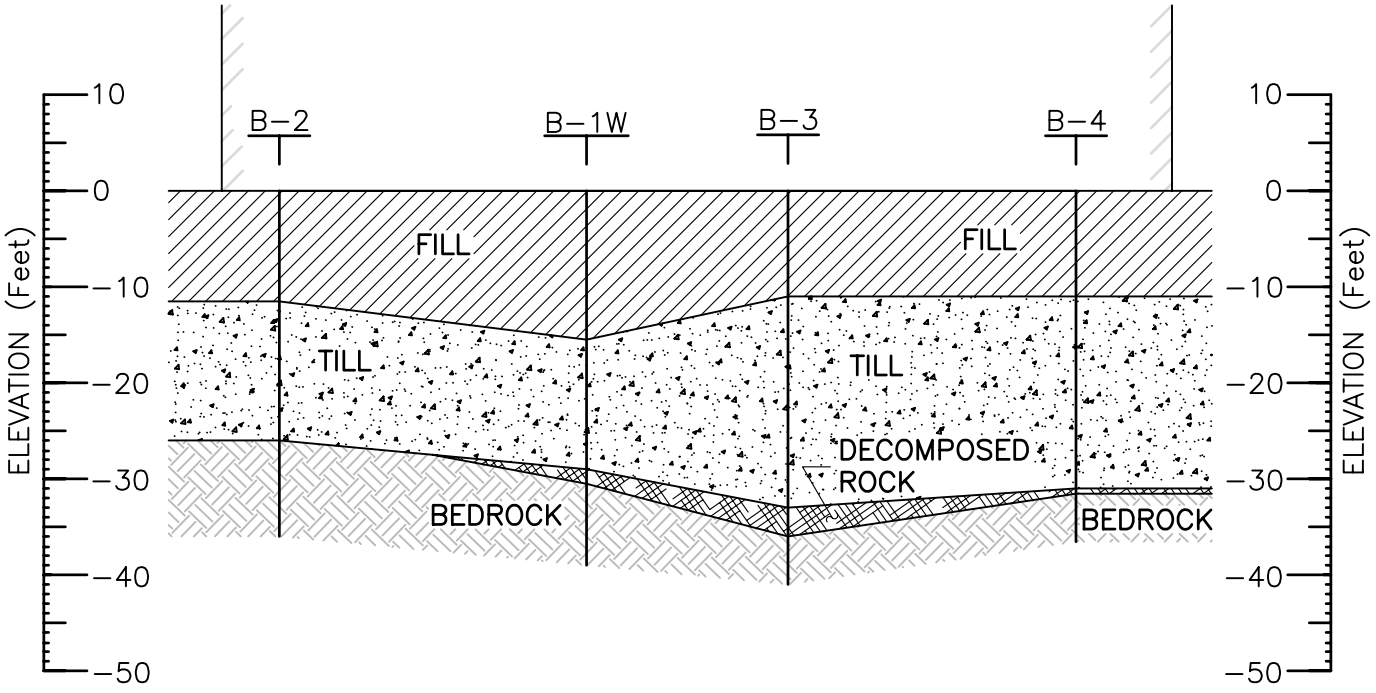
LEGEND

B-2 BORING LOCATION

B-1W BORING LOCATION w/OBSERVATION WELL

SCALE: 1"=20'

Title: BORING & TEST PIT LOCATION PLAN		
Project: 321-325 West 35th Street New York, New York		
PILLORI ASSOCIATES, P.A. *Geotechnical Engineering* 71 Route 35, Laurence Harbor, NJ 08879 1 Harmon Plz, 2nd Fl, Ste 4, Secaucus, NJ 07096	Date: 1/7/2013 Job No.: 121108	Dwg No. 1



SCALE: 1"=20'

Title: SECTION A-A		
Project: 321-325 West 35th Street, New York, New York		
PILLORI ASSOCIATES, P.A. *Geotechnical Engineering* 71 Route 35, Laurence Harbor, NJ 08879 1 Harmon Plz, 2nd Fl, Ste 4, Secaucus, NJ 07096	Date: 1/7/2013 Job No.: 121108	Dwg No. 6

Project: **321-325 West 35th Street**
New York, New York
Date: 12-20-2012 to 12-26-2012
Contractor: Warren George, Inc.

Boring No.: B1W
Sheet: 1 of 1
Ground El: NA
Groundwater Depth: -14.4

Depth Feet	SAMPLES Number	Blows / 6"	Strata	SOIL DESCRIPTION	Classification Depth Elevation
				9" Concrete Slab	
	S-1	4-6-6-7		FILL: Tan fine Silty Sand w/brick fragments	
				*Roller bit drilling through remnant slab @4'	
5	S-2	1-0-3-2			
			F	Tan medium to fine Sand, some Silt w/brick fragments	FILL (7)
10	S-3	8-4-4-7			
15	S-4	6-21-24-30			15'6"
20	S-5	13-100/3"		Tan medium to fine Sand, trace Silt, some medium to fine Gravel	SM (3a)
			GT		
25	S-6	25-37-100/3"			29'0"
30				*Boulder	30'3"
	R-1	RUN 1 = 60" 29'-34' REC = 70% RQD = 70%	R	SCHIST BEDROCK: Meduim hard, slightly weathered, slightly jointed	(1b) 34'0"
35	R-2	RUN 2 = 60" 34'-39' REC = 100% RQD = 93%	R	SCHIST BEDROCK: Hard, slightly jointed, weathered at joints	(1a) 39'0"
40				End of Boring	
45					
50					

Project: **321-325 West 35th Street**
New York, New York
Date: 12-26-2012 to 12-28-2012
Contractor: Warren George, Inc.

Boring No.: B2
Sheet: 1 of 1
Ground El: 0.0
Groundwater Depth: NA

Depth Feet	SAMPLES Number	Blows / 6"	Strata	SOIL DESCRIPTION	Classification Depth Elevation
	S-1	1-10-5-5	F	8" Concrete Slab FILL: Tan medium to fine Sand, some Silt with brick and asphalt fragments *Roller bit drilling through remant slab @6.5'	FILL (7) 11'6"
5	S-2	2-15-100/2"			
10	S-3	5-5-15-41			
15	S-4	42-47-33-51	GT	Red brown coarse to medium to fine Sand, little Silt, some medium to fine Gravel	SM (3a) 26'0"
20	S-5	78-55-86-77			
25	S-5	100/0"			
30	R-1	RUN 1 = 60" 26'-31' REC = 83% RQD = 70%	R	SCHIST BEDROCK: Meduim hard, weathered at seams, jointed	(1b) 31'0"
35	R-2	RUN 2 = 60" 31'-36' REC = 98% RQD = 83%	R	SCHIST BEDROCK: Hard, weathered at seams, jointed	(1a) 36'0"
				End of Boring	
40					
45					
50					

Project: **321-325 West 35th Street**
New York, New York
Date: 1-2-2013 to 1-4-2013
Contractor: Warren George, Inc.

Boring No.: B3
Sheet: 1 of 1
Ground El: NA
Groundwater Depth: NA

Depth Feet	SAMPLES Number	Blows / 6"	Strata	SOIL DESCRIPTION	Classification Depth Elevation
				6" Concrete Slab	
	S-1	8-9-9-12	F	FILL: Gray coarse to fine Sand, little Silt w/brick & concrete fragments	FILL (7)
5	S-2	10-15-39-22			
10	S-3	14-14-38-27			11'0"
15	S-4	20-16-23-17	GT	Red brown coarse to medium to fine Sand, little Silt, little to some medium to fine Gravel	SM (3a)
20	S-5	15-100/4"			
25	S-6	19-17-28-41			
30	S-7	23-22-24-37			29'0"
35	S-8	100/0"		Decomposed Rock	(1d) 29'0"
40	R-1	RUN 1 = 60" 36'-41' REC = 83% RQD = 70%	R	SCHIST BEDROCK: Meduim hard, slightly weathered, closely jointed	(1b) 34'0"
				End of Boring	
45					
50					

PILLORI ASSOCIATES, P.A. ***Geotechnical Engineering***

Project No.: 121108

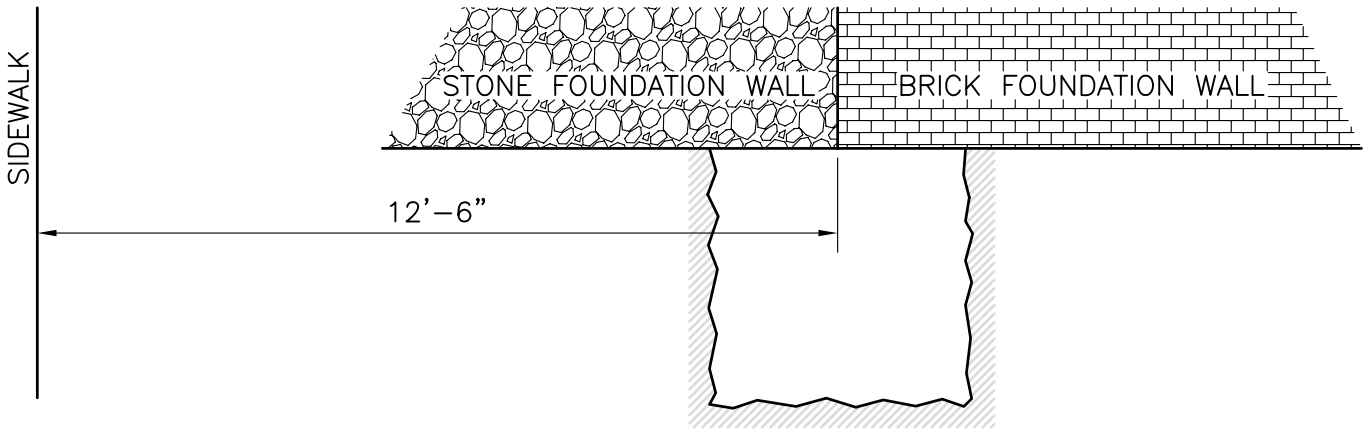
Project: **321-325 West 35th Street**
New York, New York
Date: 12-31-2012 to 1-2-2013
Contractor: Warren George, Inc.

Boring No.: B4
Sheet: 1 of 1
Ground El: NA
Groundwater Depth: NA

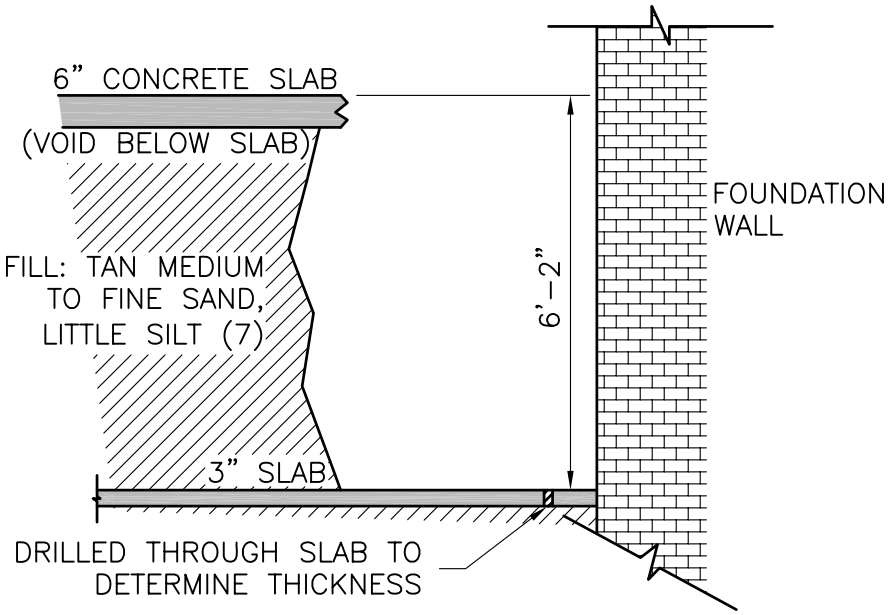
Depth Feet	SAMPLES Number	Blows / 6"	Strata	SOIL DESCRIPTION	Classification Depth Elevation
				6" Concrete Slab	
	S-1	4-7-8-6	F	FILL: Dark brown coarse to fine Sand, and Silt w/brick fragments	FILL (7)
5	S-2	11-9-10-6			
10	S-3	100/3"			11'0"
15	S-4	32-51-25-21	GT	Red brown coarse to medium to fine Sand, little Silt, and coarse to fine Gravel	SM (3a)
20	S-5	14-16-21-31			23'0"
25	S-6	17-13-18-17		Red brown coarse to medium to fine Sand, little Silt, and medium to fine Gravel	
30	S-7	16-19-100/3"			31'0"
				Decomposed Rock	31'6" (1d)
35	R-1	RUN 1 = 60" 36'-41' REC = 83% RQD = 70%	R	SCHIST BEDROCK: Meduim hard, slightly weathered, closely jointed	(1b)
					34'0"
				End of Boring	
40					
45					
50					

Project: 321-325 West 35th Street
New York, New York
Date: 12-20-2013
Contractor: Epic Testing Services, Inc.

Test Pit No.: TP-1
Sheet: 1 of 1
Ground El: 0.0
Groundwater Depth: NA



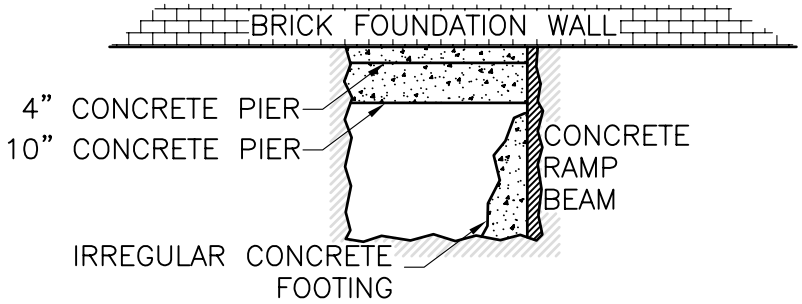
PLAN
SCALE: 1"=3'



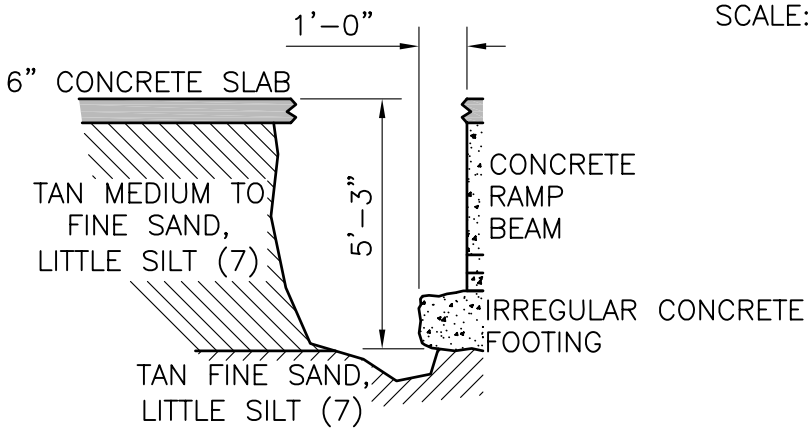
SECTION FACING SOUTH
SCALE: 1"=3'

Project: 321-325 West 35th Street
New York, New York
Date: 12-20-2013
Contractor: Epic Testing Services, Inc.

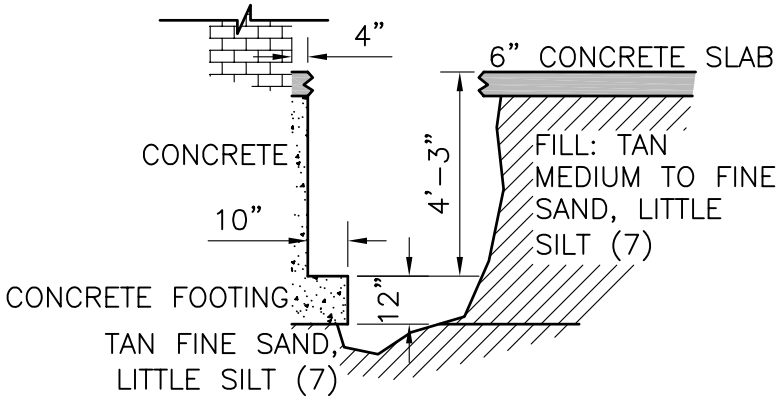
Test Pit No.: TP-2
Sheet: 1 of 1
Ground El: 0.0
Groundwater Depth: NA



PLAN
SCALE: 1"=4'



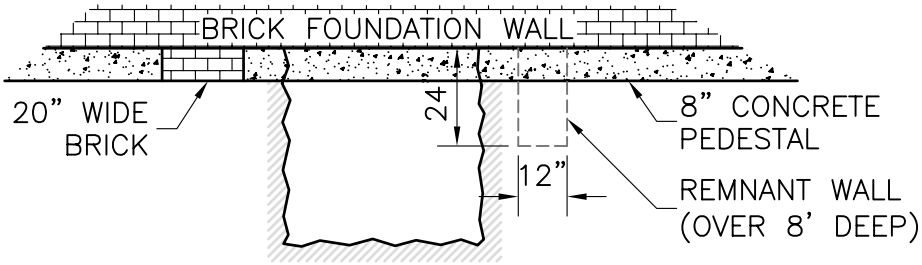
SECTION FACING WEST
SCALE: 1"=4'



SECTION FACING SOUTH
SCALE: 1"=4'

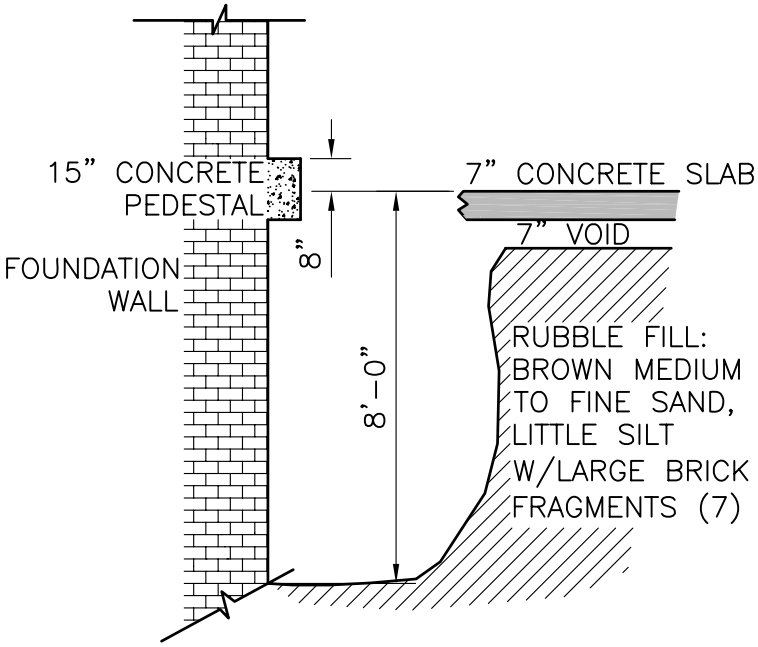
Project: 321-325 West 35th Street
New York, New York
Date: 12-20-2013
Contractor: Epic Testing Services, Inc.

Test Pit No.: TP-3
Sheet: 1 of 1
Ground El: 0.0
Groundwater Depth: NA



PLAN

SCALE: 1"=4'

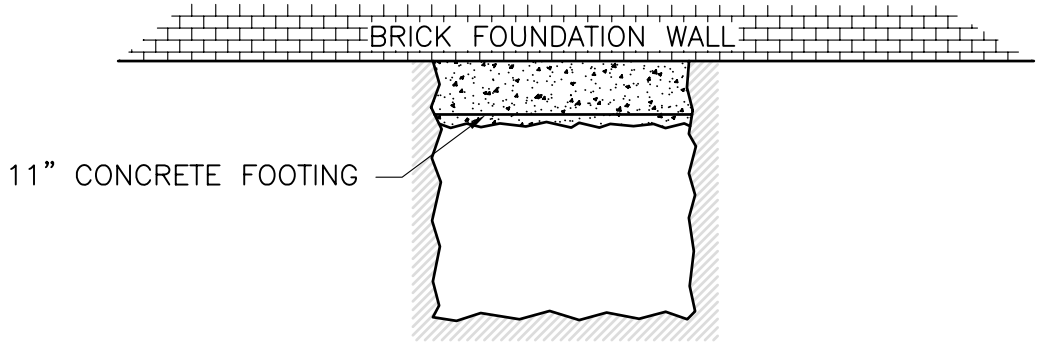


SECTION FACING SOUTH

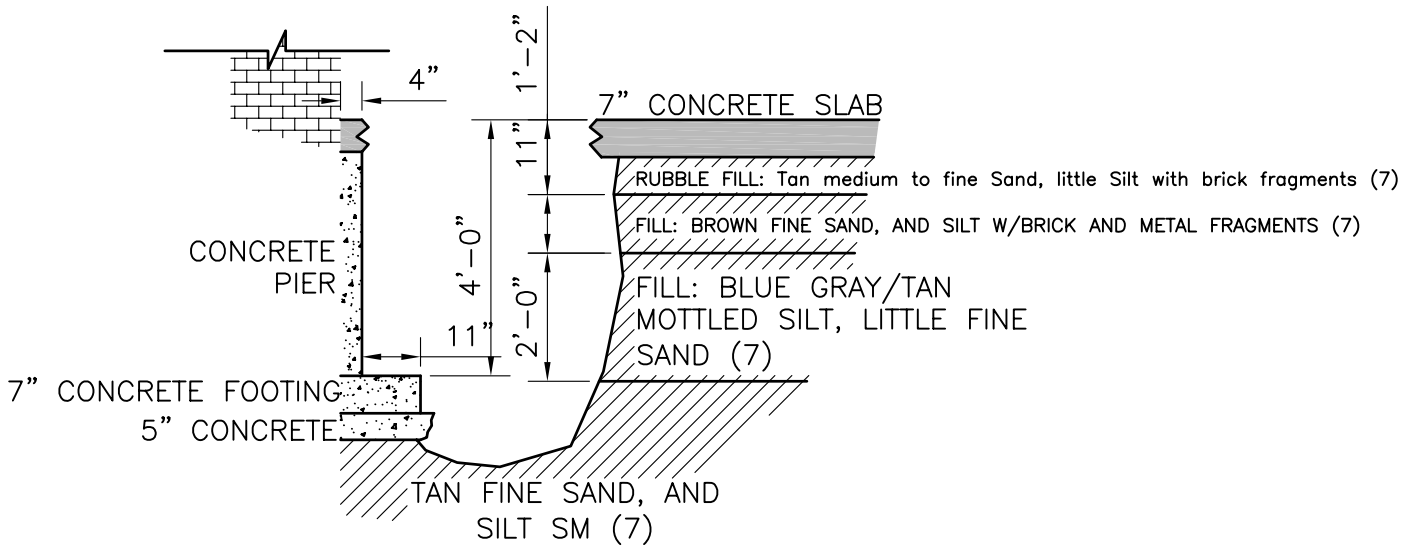
SCALE: 1"=4'

Project: 321-325 West 35th Street
New York, New York
Date: 12-20-2013
Contractor: Epic Testing Services, Inc.

Test Pit No.: TP-4
Sheet: 1 of 1
Ground El: 0.0
Groundwater Depth: NA



PLAN
SCALE: 1"=3'



SECTION FACING SOUTH
SCALE: 1"=3'

TEST PIT 1

TEST PIT 2

TEST PIT 3

TEST PIT 4

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			GROUP SYMBOLS (ASTM D2487)	TYPICAL DESCRIPTIONS
COARSE–GRAINED SOIL MORE THAN 50% RETAINED ON NO. 200 SIEVE*	**GRAVEL** 50% OR MORE OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	**CLEAN GRAVEL**	**GW**	WELL-GRADED GRAVEL & GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
			GP	POORLY GRADED GRAVEL & GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
		GRAVEL WITH FINES	**GM**	SILTY GRAVEL, GRAVEL SAND CLAY MIXTURES
			GC	CLAYEY GRAVEL, GRAVEL SAND CLAY MIXTURES
	SANDS MORE THAN 50% OF COARSE FRACTON PASSES NO. 4 SIEVE	**CLEAN SANDS**	**SW**	WELL-GRADED SAND & GRAVELLY SAND, LITTLE OR NO FINES
			SP	POORLY GRADED SAND & GRAVELLY SAND, LITTLE OR NO FINES
		SAND WITH FINES	**SM**	SILTY SAND, SAND-SILT MIXTURES
			SC	CLAYEY SAND, SAND-CLAY MIXTURES
FINE-GRAINED SOIL 50% OR MORE PASSING NO. 200 SIEVE*	**SILT & CLAY** LIQUID LIMIT LESS THAN 50%		**ML**	INORGANIC SILT, VERY FINE SAND, ROCK FLOUR, SILTY OR CLAYEY FINE SAND
			CL	INORGANIC CLAY OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAY, SANDY CLAY, SILTY CLAY, LEAN CLAY
			OL	ORGANIC SILT & ORGANIC SILTY CLAY OF LOW PLASTICITY
	SILT & CLAY LIQUID LIMIT GREATER THAN 50%		**MH**	INORGANIC SILT, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILT, ELASTIC SILT
			CH	INORGANIC CLAY OF HIGH PLASTICITY, FAT CLAY
			OH	ORGANIC CLAY OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOIL			**PT**	PEAT, MUCK & OTHER HIGHLY ORGANIC SOIL

*BASED ON MATERIAL PASSING THE 3" (75MM) SIEVE

GRADATION**

TERM	% BY WEIGHT		
TRACE	1	TO	10
LITTLE	10	TO	20
SOME	20	TO	35
AND	35	TO	50

COMPACTNESS**
(SAND AND/OR GRAVEL)

TERM	% RELATIVE DENSITY		
LOOSE	0	TO	40
MEDIUM DENSE	41	TO	70
DENSE	71	TO	90
VERY DENSE	91	T0	100

CONSISTENCY**
(CLAY AND/OR SILT)

TERM	SHEAR STRENGTH TONS/SQ. FT.		
SOFT	LESS THAN 0.25		
FIRM	0.25	TO	0.5
STIFF	0.5	TO	1.0
VERY STIFF	1.0	TO	2.0
HARD	OVER 2.0		

**VALUES ARE FROM LABORATORY OR FIELD TEST DATA, WHERE APPLICABLE, WHEN NO TESTING WAS PERFORMED. VALUES ARE ESTIMATED.

Appendix 2

Field Notes

2/20/13 . 7186-NYNY

321-325 West 35th Street
New York, NY

Scope of work:

- Install four soil borings
- Install two monitoring wells
- Install three soil vapor probes
- Collect three soil samples from each soil boring (surface, bottom and end of fill/beginning of native soil)
- Collect three groundwater samples, two from newly installed monitoring wells and one from existing monitoring well
- Collect three soil vapor samples at 12' below ground surface

2DWA

n clayey
t
at ~13'

ISA

136, 14'-98, 15'-199
igh PID = 288 @ 20'

288
edium sand, most
and = 168
sand - 288

2/20/13 7180-NYNY

⇒ SB-1

→ 0-5': 0.0 PID throughout
30% recovery
• 0-6": Concrete
• 6"-2': orange-brown fine sand with some pebbles - fill
• 2'-5': tan fine silty sand

→ 5-10': 0.0 PID throughout
90% recovery
• 5-6.5': tan fine silty sand
• 6.5-8': tan-gray fine clayey sand with a thin layer of orange-brown fine silty sand
• 8-9.5': brown-red fine-med sand
• 9.5-9.75': ~~tan/pink~~ fine-med sand
• 9.75-10': red fine-med sand

→ 10-15': 0.0 PID throughout
70% recovery
• 10-12': orange-red fine-med sand
• 12-13.5': orange-brown fine sand, wet
• 13.5-15': tan-pink fine sand, wet with some decomposing rock at 15'.

→ Sampled at 0-2', 12-13'

→ GW at approx. 13'

2/20/13 7180-NYNY

⇒ SB-2

→ 0-5': 0.0 PID throughout
60% recovery
• 0-6": Concrete
• 6"-2': orange-brown fine-medium sand
• 2'-4.5': brown fine silty sand
• 4.5-5': orange-brown fine silty sand

→ 5-10': 0.0 PID throughout
95% recovery
• 5-7.5': orange-brown fine silty sand
• 7.5-10': orange-red fine-med sand, moist

→ 10-15': 0.0 PID throughout
80% recovery
• 10-11': orange-brown fine-med sand
• 11-12': tan-brown fine-med sand with some rocks (fill)
• 12-15': brown-red fine-med sand with a thin layer of orange fine-med sand at ~14' and rocks at 14.5'-15' (native?)

→ Sampled at 0-2' and 12-14'

→ GW at approx. 14' [illegible] 15'

2/22/13 7180 NYNY

SB-3 - Refusal in original location at ~16". Moved to location adjacent to B1-W.

→ 0-5': 0.0 PID throughout
30% recovery
- 0-9": concrete
- 9"-5': brown fine-med silty sand with some brick and rock debris

→ 5-10': 0.0 PID throughout
30% recovery
- 5-7': brown fine-med silty sand with some brick and rock debris
- 7-10': orange-brown fine silty sand

→ 10-15': 0.0 PID throughout
70% recovery
- 10-11': orange-brown fine silty sand
- 12-13': purple medium sand with some purple rocks
- 13-14': orange-brown fine-med sand
- 14-14.5: orange-red fine-med sand
- 14.5-15: orange-brown fine-med sand

→ Sampled at 0-2' and 12-14'.

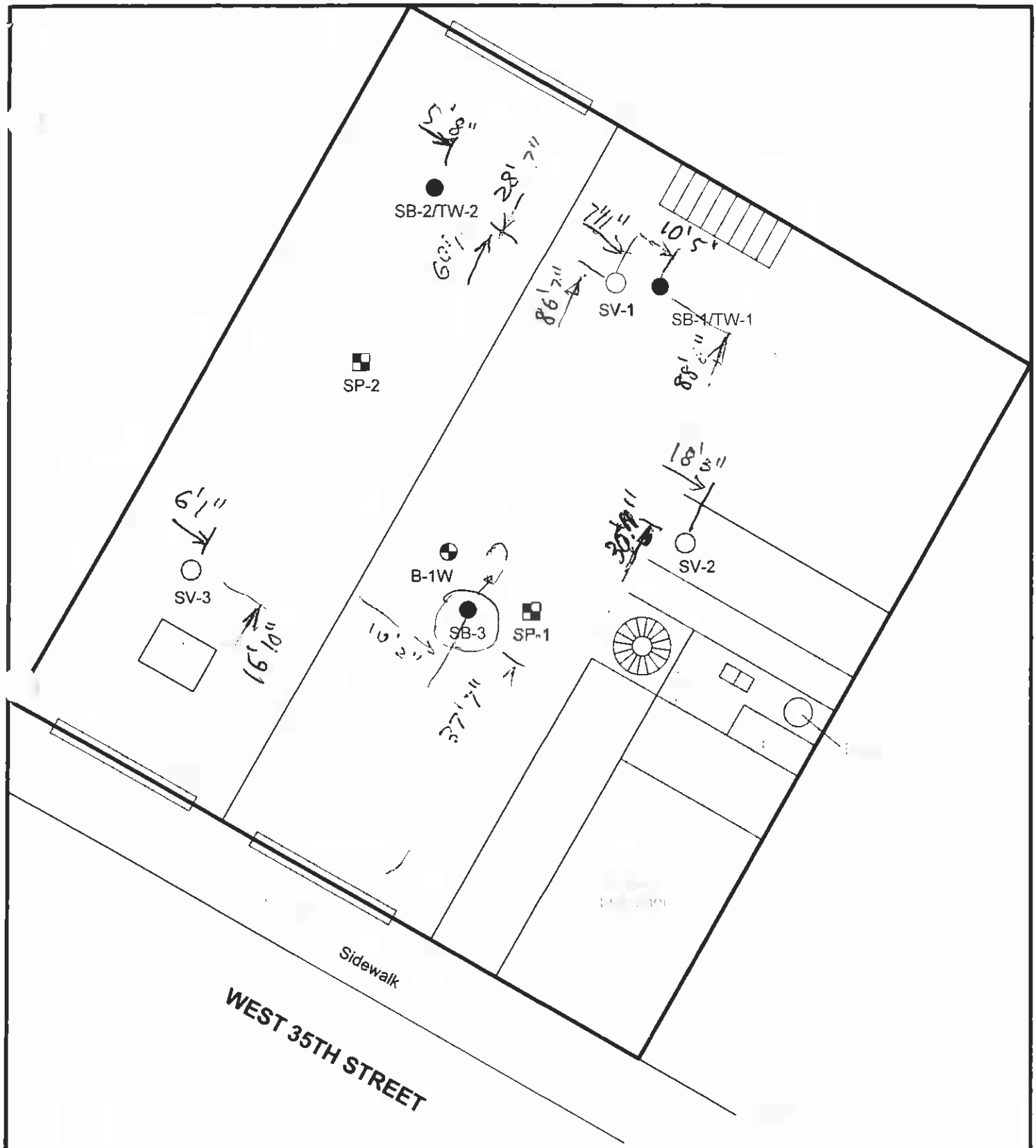
→ GW at ~ 14'

#7186 - NYNY 321 West 35 St NY NY

03/01 2013

Soil Vapor Sampling

	Date	START	Pressure	End	Pressure	controler ID	Canister ID
SV-1	03/01/13	12:39	-29	4:29	-6.5	1021	3401
SV-2	03/01/13	12:38	-29	4:21	-7.	1159	3406
SV-3	03/01/13	1:01 pm	-30	5:01	-7.5	1014	3425



Legend

- Soil Boring / Temp. Well
- Soil Vapor
- Soil Probe Location (Hydro Tech)
- Monitoring Well Location (Pillori)

N

Sampling Diagram

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

960 S. Broadway, Suite 100, Hicksville, New York 11801
Tel: 516-933-0655 Fax: 516-933-0659

Project No.:7186-NYNY	Figure No.: 3
Date: 02/15/2013	Scale: Not To Scale

Yisong Yang.

#7186-NYNY

03/04/2013

321 West 35th street, New York NY.

→ Survey of the Monitering wells.

	Top of casing	DTW.
TW-1	3.66	14.10
TW-2	3.74	14.05
B-1W.	3.74	14.11

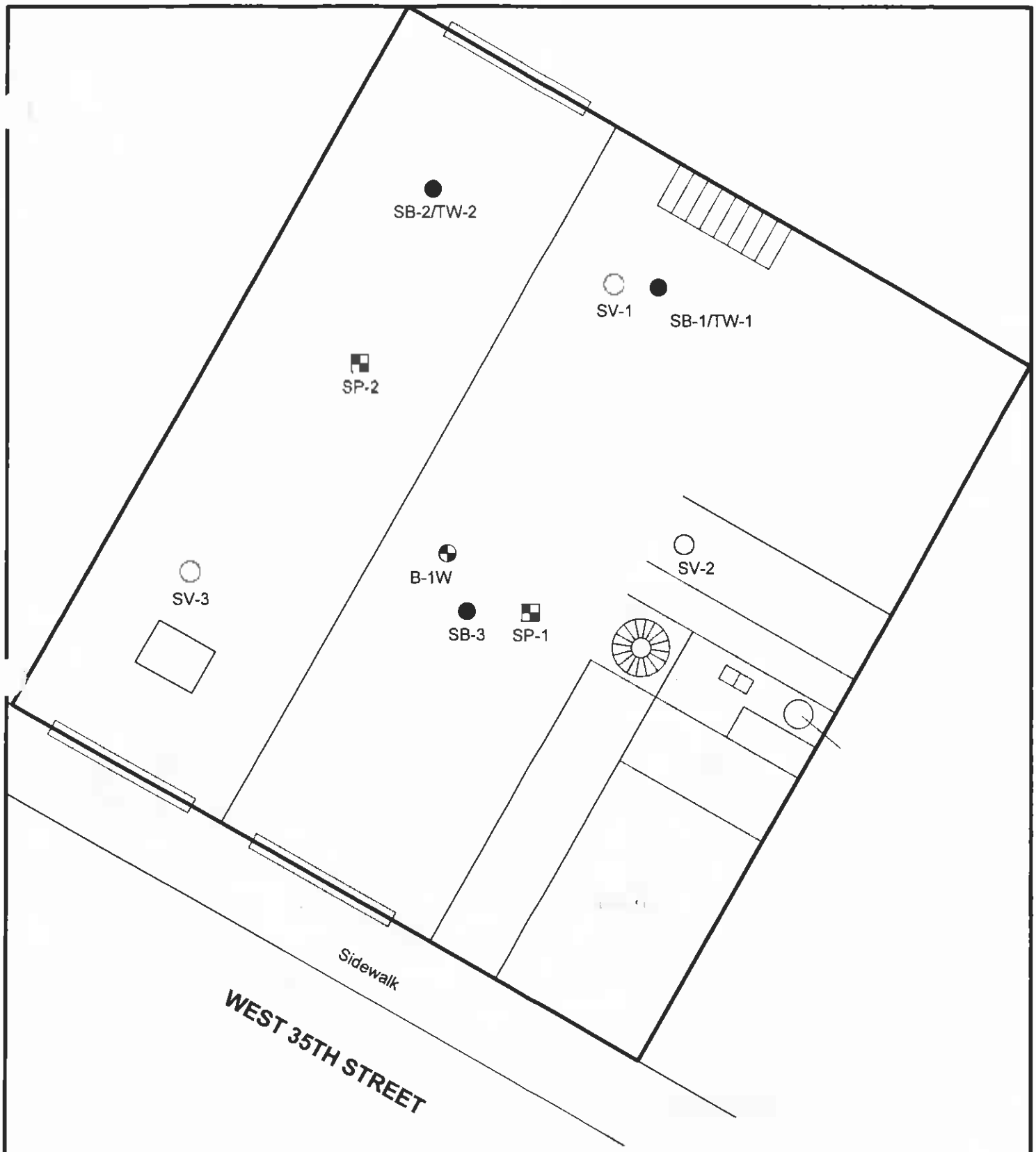
→ sampling of Ground Water

sampled B-1W 2x500ml. plastic 4x1 L. Bottle.

sampled TW-2 2x500ml plastic 4x1 L Bottle

sampled TW-2 2x500ml plastic 1+half 1 L Bottle.

the well has little water.



Legend

- Soil Boring / Temp. Well
- Soil Vapor
- Soil Probe Location (Hydro Tech)
- Monitoring Well Location (Pillori)

N

Sampling Diagram

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

960 S. Broadway, Suite 100, Hicksville, New York 11801
Tel: 516-933-0655 Fax: 516-933-0659

Project No.:7186-NYNY	Figure No.: 3
Date: 02/15/2013	Scale: Not To Scale

Appendix 3

Soil Boring Logs

Soil Boring Log

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

Project No: 7186-NYNY
Boring No: ***SB-1***
Site: 321-325 West 35th Street
Date Drilled: 2/20/2013
Client: Landmark Realty LLC and Run 178th LLC
Geologist: Steven Walls
Water Table Level: 14' bgs

Depth (feet)	Description (Unified Soils Classification)	Sample Depth	PID (ppmv)	% Recovery	Remarks
0	0-6": Concrete				No odor throughout boring
		0			
1	6"-2': Orange to brown fine sand with	to			
	some pebbles	2'			
2					
			0.0	30	
3					
	2-5': Tan fine silty sand				
4					
5					
6	5-6.5': Tan fine silty sand				
	6.5-8': Tan to gray fine clayey sand				
7	with a thin layer of orange to brown				
	fine silty sand		0.0	90	
8	8-9.5': Brown to red fine to medium				
	sand				
9	9.5-9.75: Tan to pink fine to medium				
	sand				
10	9.75-10': Red fine to medium sand				
11	10-12': Orange to red fine to medium				
	sand	11			
12		to			
	12-13.5': Orange to brown fine sand,	13'	0.0	70	
13	wet				
14	13.5-15': Tan to pink fine sand with				Groundwater at 14'
	some decomposing rock at 15', wet				
15					End of boring

Rig Type: ***AMS Power Probe***
Reviewed by: ***Paul Stewart***
Driller: ***ACT - Steven Walls***
Sheet No: 1 of 1

Soil Boring Log

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

Project No: 7186-NYNY
Boring No: ***SB-2***
Site: 321-325 West 35th Street
Date Drilled: 2/22/2013
Client: Landmark Realty LLC and Run 178th LLC
Geologist: Steven Walls
Water Table Level: 14' bgs

Depth (feet)	Description (Unified Soils Classification)	Sample Depth	PID (ppmv)	% Recovery	Remarks
0	0-6": Concrete				No odor throughout boring
		0			
1	6"-2': Orange to brown fine to medium	to			
	sand	2'			
2					
			0.0	60	
3	2-4.5': Brown fine silty sand				
4					
5	4.5-5': Orange to brown fine silty sand				
6					
	5-7.5': Orange to brown fine silty sand				
7					
			0.0	95	
8					
	7.5-10': Orange to red fine to medium				
9	sand, moist				
10					
	10-11': Orange to brown fine to				
11	medium sand				
	11-12': Tan to brown fine to medium				
12	sand with some rocks				
		12	0.0	80	
13	12-15': Brown to red fine to medium	to			
	sand with a thin layer of orange fine	14'			
14	to medium sand at 14' and rocks at				Groundwater at 14'
	14.5 to 15'				
15					End of boring

Rig Type: ***AMS Power Probe***
Reviewed by: ***Paul Stewart***
Driller: ***ACT - Steven Walls***
Sheet No: 1 of 1

Soil Boring Log

Advanced Cleanup Technologies, Inc.
ENVIRONMENTAL CONSULTANTS

Project No: 7186-NYNY
Site: 321-325 West 35th Street
Client: Landmark Realty LLC and Run 178th LLC
Water Table Level: 14' bgs

Boring No: ***SB-3***
Date Drilled: 2/22/2013
Geologist: Steven Walls

Depth (feet)	Description (Unified Soils Classification)	Sample Depth	PID (ppmv)	% Recovery	Remarks
0	0-9": Concrete				No odor throughout boring
		0			Several refusals at approximately 6" due to
1		to			thick concrete layer and rebar
		2'			
2					
	9"-5': Brown fine to medium silty sand		0.0	30	
3	with some brick and rock debris				
4					
5					
6	5-7': Brown fine to medium silty sand				
	with some brick and rock debris				
7					
			0.0	30	
8					
	7-10': Orange to brown fine silty sand				
9					
10					
	10-11': Orange to brown fine silty sand				
11					
	11-13': Purple medium sand with				
12	some purple rocks				
		12	0.0	70	
13	13-14': Orange to brown fine to	to			
	medium sand	14'			
14	14-14.5': Orange to red fine-med sand				Groundwater at 14'
	14.5-15': Orange to brown fine to				
15	medium sand				End of boring

Rig Type: ***AMS Power Probe***
Driller: ***ACT - Steven Walls***

Reviewed by: ***Paul Stewart***
Sheet No: 1 of 1

Appendix 4

Laboratory Analytical Reports

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/20/2013 11:00:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-001
Client Sample ID: SB-1 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW6010B Prep Method: SW3050A Prep Date: 3/4/2013 4:00:00 PM Analyst: Aba

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Aluminum	10,700		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Antimony	< 6.55		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Arsenic	3.57		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Barium	71.9		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Beryllium	< 0.55		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Cadmium	< 0.55		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Calcium	3,450		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Chromium	13.1		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Cobalt	8.58		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Copper	25.7		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Iron	16,300		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Lead	157		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Magnesium	3,730		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Manganese	336		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Nickel	13.1		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Potassium	1,030		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Selenium	< 0.55		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Silver	< 1.09		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Sodium	64.5		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Thallium	< 1.09		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Vanadium	15.8		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01
Zinc	74.2		1	mg/kg-dry	03/06/2013 9:11 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 3/7/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.
575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman

Collected : 2/20/2013 11:00:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-001
Client Sample ID: SB-1 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8081/8082 Prep Method: SW3545 Prep Date: 2/27/2013 9:43:52 AM Analyst: KB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
4,4´-DDD	< 3.6		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
4,4´-DDE	< 3.6		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
4,4´-DDT	< 3.6		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Aldrin	< 1.8		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
alpha-BHC	< 1.8		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
alpha-Chlordane	< 1.8		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Aroclor 1016	< 36		1	µg/Kg-dry			03/01/2013 1:52 PM	Container-01 of 01
Aroclor 1221	< 73		1	µg/Kg-dry			03/01/2013 1:52 PM	Container-01 of 01
Aroclor 1232	< 36		1	µg/Kg-dry			03/01/2013 1:52 PM	Container-01 of 01
Aroclor 1242	< 36		1	µg/Kg-dry			03/01/2013 1:52 PM	Container-01 of 01
Aroclor 1248	< 36		1	µg/Kg-dry			03/01/2013 1:52 PM	Container-01 of 01
Aroclor 1254	< 36		1	µg/Kg-dry			03/01/2013 1:52 PM	Container-01 of 01
Aroclor 1260	< 36		1	µg/Kg-dry			03/01/2013 1:52 PM	Container-01 of 01
beta-BHC	< 1.8		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
delta-BHC	< 1.8		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Dieldrin	< 3.6		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Endosulfan I	< 1.8		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Endosulfan II	< 3.6		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Endosulfan sulfate	< 3.6		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Endrin	< 3.6		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Endrin aldehyde	< 3.6		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Endrin ketone	< 3.6		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
gamma-BHC	< 1.8		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
gamma-Chlordane	< 1.8		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Heptachlor	< 1.8		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Heptachlor epoxide	< 1.8		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Methoxychlor	< 18		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Toxaphene	< 180		1	µg/Kg-dry			03/04/2013 11:11 PM	Container-01 of 01
Surr: Decachlorobiphenyl	58.9		1	%REC	Limit	30-150	03/01/2013 1:52 PM	Container-01 of 01
Surr: Decachlorobiphenyl	116		1	%REC	Limit	30-150	03/04/2013 11:11 PM	Container-01 of 01
Surr: Tetrachloro-m-xylene	77.3		1	%REC	Limit	30-150	03/04/2013 11:11 PM	Container-01 of 01
Surr: Tetrachloro-m-xylene	78.0		1	%REC	Limit	30-150	03/01/2013 1:52 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 3/7/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.
575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/20/2013 11:00:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-001
Client Sample ID: SB-1 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260B Prep Method: 5035A-L Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 13	c	1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
1,1,2,2-Tetrachloroethane	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
1,1,2-Trichloro-1,2,2-trifluoroethan	< 13	c	1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
1,1,2-Trichloroethane	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
1,1-Dichloroethane	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
1,1-Dichloroethene	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
1,2,4-Trichlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
1,2-Dibromo-3-chloropropane	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
1,2-Dibromoethane	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
1,2-Dichlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
1,2-Dichloroethane	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
1,2-Dichloropropane	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
1,3-Dichlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
1,4-Dichlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
2-Butanone	< 13	c	1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
2-Hexanone	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
4-Methyl-2-pentanone	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
Acetone	26	c	1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
Benzene	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
Bromodichloromethane	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
Bromoform	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
Bromomethane	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
Carbon disulfide	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
Carbon tetrachloride	< 13	cs	1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
Chlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
Chloroethane	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
Chloroform	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
Chloromethane	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
cis-1,2-Dichloroethene	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
cis-1,3-Dichloropropene	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
Cyclohexane	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03
Dibromochloromethane	< 13		1	µg/Kg-dry	03/05/2013 2:47 PM	Container-01 of 03

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Joann M. Slavin
Laboratory Manager

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NYSDOH ID#10478

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Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-001
Client Sample ID: SB-1 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260B Prep Method: 5035A-L Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Dichlorodifluoromethane	< 13	c	1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Ethylbenzene	< 13		1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Isopropylbenzene	< 13		1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Methyl Acetate	< 13		1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Methyl tert-butyl ether	< 13		1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Methylcyclohexane	< 13		1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Methylene chloride	< 13		1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Styrene	< 13		1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Tetrachloroethene	< 13	c	1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Toluene	< 13		1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
trans-1,2-Dichloroethene	< 13		1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
trans-1,3-Dichloropropene	< 13		1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Trichloroethene	< 13		1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Trichlorofluoromethane	< 13	cs	1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Vinyl chloride	< 13		1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Xylene (total)	< 13		1	µg/Kg-dry			03/05/2013 2:47 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	92.7		1	%REC	Limit	33-150	03/05/2013 2:47 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	84.9		1	%REC	Limit	34-145	03/05/2013 2:47 PM	Container-01 of 03
Surr: Toluene-d8	99.4		1	%REC	Limit	43-157	03/05/2013 2:47 PM	Container-01 of 03

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Lab No. : 1302B22-001
Client Sample ID: SB-1 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1´-Biphenyl	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2,2´-oxybis(1-chloropropane)	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2,4,5-Trichlorophenol	< 900		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2,4,6-Trichlorophenol	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2,4-Dichlorophenol	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2,4-Dimethylphenol	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2,4-Dinitrophenol	< 900	c	1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2,4-Dinitrotoluene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2,6-Dinitrotoluene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2-Chloronaphthalene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2-Chlorophenol	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2-Methylnaphthalene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2-Methylphenol	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2-Nitroaniline	< 900		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
2-Nitrophenol	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
3,3´-Dichlorobenzidine	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
3-Nitroaniline	< 900		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 900		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
4-Bromophenyl-phenylether	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
4-Chloro-3-methylphenol	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
4-Chloroaniline	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
4-Chlorophenyl-phenylether	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
4-Methylphenol	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
4-Nitroaniline	< 900		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
4-Nitrophenol	< 900		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Acenaphthene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Acenaphthylene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Acetophenone	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Anthracene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Atrazine	< 360	c	1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Benzaldehyde	< 360	c	1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Benzo(a)anthracene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01

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Joann M. Slavin
Laboratory Manager

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NYSDOH ID#10478

LABORATORY RESULTS

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960 South Broadway, Suite 100
Hicksville, NY 11801
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Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-001
Client Sample ID: SB-1 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Benzo(a)pyrene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Benzo(b)fluoranthene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Benzo(g,h,i)perylene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Benzo(k)fluoranthene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Bis(2-chloroethoxy)methane	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Bis(2-chloroethyl)ether	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Butyl benzyl phthalate	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Caprolactam	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Carbazole	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Chrysene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Dibenzo(a,h)anthracene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Dibenzofuran	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Diethylphthalate	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Dimethylphthalate	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Di-n-butyl phthalate	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Di-n-octyl phthalate	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Fluoranthene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Fluorene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Hexachlorobenzene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Hexachlorobutadiene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Hexachlorocyclopentadiene	< 360	c	1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Hexachloroethane	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Isophorone	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Naphthalene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Nitrobenzene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
N-Nitrosodiphenylamine	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Pentachlorophenol	< 900	c	1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Phenanthrene	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01
Phenol	< 360		1	µg/Kg-dry	03/02/2013 12:33 AM	Container-01 of 01

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Collected By : CLIENT

Lab No. : 1302B22-001
Client Sample ID: SB-1 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Pyrene	< 360		1	µg/Kg-dry			03/02/2013 12:33 AM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	76.1		1	%REC	Limit	20-130	03/02/2013 12:33 AM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	86.9		1	%REC	Limit	19-122	03/02/2013 12:33 AM	Container-01 of 01
Surr: 2-Chlorophenol-d4	82.2		1	%REC	Limit	20-130	03/02/2013 12:33 AM	Container-01 of 01
Surr: 2-Fluorobiphenyl	83.8		1	%REC	Limit	30-115	03/02/2013 12:33 AM	Container-01 of 01
Surr: 2-Fluorophenol	83.7		1	%REC	Limit	25-121	03/02/2013 12:33 AM	Container-01 of 01
Surr: 4-Terphenyl-d14	106		1	%REC	Limit	18-137	03/02/2013 12:33 AM	Container-01 of 01
Surr: Nitrobenzene-d5	79.1		1	%REC	Limit	23-120	03/02/2013 12:33 AM	Container-01 of 01
Surr: Phenol-d5	89.4		1	%REC	Limit	24-113	03/02/2013 12:33 AM	Container-01 of 01

Analytical Method: SW7471 Prep Method: SW7471 Prep Date: 3/5/2013 12:00:00 PM Analyst: JG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Mercury	< 0.22		1	mg/Kg-dry	03/05/2013 5:01 PM	Container-01 of 01

Analytical Method: D2216 Analyst: JA

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	8.4	H	1	wt%	02/28/2013 3:56 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
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Joann M. Slavin
Laboratory Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.
575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/20/2013 11:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-002
Client Sample ID: SB-1 (11-13')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW6010B Prep Method: SW3050A Prep Date: 3/4/2013 4:00:00 PM Analyst: Aba

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Aluminum	8,580		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Antimony	< 6.56		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Arsenic	1.43		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Barium	82.4		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Beryllium	< 0.55		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Cadmium	< 0.55		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Calcium	2,300		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Chromium	30.9		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Cobalt	8.75		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Copper	22.1		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Iron	21,700		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Lead	5.72		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Magnesium	3,200		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Manganese	456		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Nickel	21.7		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Potassium	1,890		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Selenium	< 0.55		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Silver	< 1.09		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Sodium	237		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Thallium	< 1.09		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Vanadium	36.3		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01
Zinc	131		1	mg/kg-dry	03/06/2013 9:26 AM	Container-01 of 01

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Collected By : CLIENT

Lab No. : 1302B22-002
Client Sample ID: SB-1 (11-13')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8081/8082 Prep Method: SW3545 Prep Date: 2/27/2013 9:43:52 AM Analyst: KB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
4,4´-DDD	< 3.6		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
4,4´-DDE	< 3.6		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
4,4´-DDT	< 3.6		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Aldrin	< 1.9		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
alpha-BHC	< 1.9		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
alpha-Chlordane	< 1.9		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Aroclor 1016	< 36		1	µg/Kg-dry			03/01/2013 2:09 PM	Container-01 of 01
Aroclor 1221	< 73		1	µg/Kg-dry			03/01/2013 2:09 PM	Container-01 of 01
Aroclor 1232	< 36		1	µg/Kg-dry			03/01/2013 2:09 PM	Container-01 of 01
Aroclor 1242	< 36		1	µg/Kg-dry			03/01/2013 2:09 PM	Container-01 of 01
Aroclor 1248	< 36		1	µg/Kg-dry			03/01/2013 2:09 PM	Container-01 of 01
Aroclor 1254	< 36		1	µg/Kg-dry			03/01/2013 2:09 PM	Container-01 of 01
Aroclor 1260	< 36		1	µg/Kg-dry			03/01/2013 2:09 PM	Container-01 of 01
beta-BHC	< 1.9		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
delta-BHC	< 1.9		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Dieldrin	< 3.6		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Endosulfan I	< 1.9		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Endosulfan II	< 3.6		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Endosulfan sulfate	< 3.6		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Endrin	< 3.6		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Endrin aldehyde	< 3.6		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Endrin ketone	< 3.6		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
gamma-BHC	< 1.9		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
gamma-Chlordane	< 1.9		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Heptachlor	< 1.9		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Heptachlor epoxide	< 1.9		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Methoxychlor	< 19		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Toxaphene	< 190		1	µg/Kg-dry			03/04/2013 11:25 PM	Container-01 of 01
Surr: Decachlorobiphenyl	62.2		1	%REC	Limit	30-150	03/01/2013 2:09 PM	Container-01 of 01
Surr: Decachlorobiphenyl	81.0		1	%REC	Limit	30-150	03/04/2013 11:25 PM	Container-01 of 01
Surr: Tetrachloro-m-xylene	78.1		1	%REC	Limit	30-150	03/04/2013 11:25 PM	Container-01 of 01
Surr: Tetrachloro-m-xylene	72.1		1	%REC	Limit	30-150	03/01/2013 2:09 PM	Container-01 of 01

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NYSDOH ID#10478

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Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-002
Client Sample ID: SB-1 (11-13')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260B Prep Method: 5035A-L Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 16	c	1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
1,1,2,2-Tetrachloroethane	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
1,1,2-Trichloro-1,2,2-trifluoroethan	< 16	c	1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
1,1,2-Trichloroethane	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
1,1-Dichloroethane	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
1,1-Dichloroethene	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
1,2,4-Trichlorobenzene	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
1,2-Dibromo-3-chloropropane	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
1,2-Dibromoethane	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
1,2-Dichlorobenzene	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
1,2-Dichloroethane	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
1,2-Dichloropropane	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
1,3-Dichlorobenzene	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
1,4-Dichlorobenzene	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
2-Butanone	< 16	c	1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
2-Hexanone	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
4-Methyl-2-pentanone	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
Acetone	19	c	1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
Benzene	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
Bromodichloromethane	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
Bromoform	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
Bromomethane	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
Carbon disulfide	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
Carbon tetrachloride	< 16	cs	1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
Chlorobenzene	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
Chloroethane	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
Chloroform	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
Chloromethane	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
cis-1,2-Dichloroethene	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
cis-1,3-Dichloropropene	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
Cyclohexane	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03
Dibromochloromethane	< 16		1	µg/Kg-dry	03/05/2013 3:17 PM	Container-01 of 03

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Collected By : CLIENT

Lab No. : 1302B22-002
Client Sample ID: SB-1 (11-13')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260B Prep Method: 5035A-L Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Dichlorodifluoromethane	< 16	c	1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Ethylbenzene	< 16		1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Isopropylbenzene	< 16		1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Methyl Acetate	< 16		1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Methyl tert-butyl ether	< 16		1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Methylcyclohexane	< 16		1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Methylene chloride	< 16		1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Styrene	< 16		1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Tetrachloroethene	< 16	c	1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Toluene	< 16		1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
trans-1,2-Dichloroethene	< 16		1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
trans-1,3-Dichloropropene	< 16		1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Trichloroethene	< 16		1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Trichlorofluoromethane	< 16	cs	1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Vinyl chloride	< 16		1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Xylene (total)	< 16		1	µg/Kg-dry			03/05/2013 3:17 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	95.6		1	%REC	Limit	33-150	03/05/2013 3:17 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	89.0		1	%REC	Limit	34-145	03/05/2013 3:17 PM	Container-01 of 03
Surr: Toluene-d8	106		1	%REC	Limit	43-157	03/05/2013 3:17 PM	Container-01 of 03

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Lab No. : 1302B22-002
Client Sample ID: SB-1 (11-13')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1´-Biphenyl	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2,2´-oxybis(1-chloropropane)	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2,4,5-Trichlorophenol	< 910		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2,4,6-Trichlorophenol	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2,4-Dichlorophenol	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2,4-Dimethylphenol	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2,4-Dinitrophenol	< 910	c	1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2,4-Dinitrotoluene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2,6-Dinitrotoluene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2-Chloronaphthalene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2-Chlorophenol	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2-Methylnaphthalene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2-Methylphenol	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2-Nitroaniline	< 910		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
2-Nitrophenol	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
3,3´-Dichlorobenzidine	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
3-Nitroaniline	< 910		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 910		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
4-Bromophenyl-phenylether	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
4-Chloro-3-methylphenol	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
4-Chloroaniline	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
4-Chlorophenyl-phenylether	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
4-Methylphenol	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
4-Nitroaniline	< 910		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
4-Nitrophenol	< 910		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Acenaphthene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Acenaphthylene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Acetophenone	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Anthracene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Atrazine	< 360	c	1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Benzaldehyde	< 360	c	1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Benzo(a)anthracene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
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H = Received/analyzed outside of analytical holding time
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Joann M. Slavin
Laboratory Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.
575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/20/2013 11:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-002
Client Sample ID: SB-1 (11-13')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Benzo(a)pyrene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Benzo(b)fluoranthene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Benzo(g,h,i)perylene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Benzo(k)fluoranthene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Bis(2-chloroethoxy)methane	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Bis(2-chloroethyl)ether	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Butyl benzyl phthalate	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Caprolactam	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Carbazole	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Chrysene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Dibenzo(a,h)anthracene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Dibenzofuran	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Diethylphthalate	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Dimethylphthalate	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Di-n-butyl phthalate	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Di-n-octyl phthalate	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Fluoranthene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Fluorene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Hexachlorobenzene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Hexachlorobutadiene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Hexachlorocyclopentadiene	< 360	c	1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Hexachloroethane	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Isophorone	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Naphthalene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Nitrobenzene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
N-Nitrosodiphenylamine	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Pentachlorophenol	< 910	c	1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Phenanthrene	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01
Phenol	< 360		1	µg/Kg-dry	03/02/2013 1:05 AM	Container-01 of 01

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Laboratory Manager

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NYSDOH ID#10478

LABORATORY RESULTS

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960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
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Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-002
Client Sample ID: SB-1 (11-13')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Pyrene	< 360		1	µg/Kg-dry			03/02/2013 1:05 AM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	79.9		1	%REC	Limit	20-130	03/02/2013 1:05 AM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	81.8		1	%REC	Limit	19-122	03/02/2013 1:05 AM	Container-01 of 01
Surr: 2-Chlorophenol-d4	82.9		1	%REC	Limit	20-130	03/02/2013 1:05 AM	Container-01 of 01
Surr: 2-Fluorobiphenyl	83.3		1	%REC	Limit	30-115	03/02/2013 1:05 AM	Container-01 of 01
Surr: 2-Fluorophenol	83.2		1	%REC	Limit	25-121	03/02/2013 1:05 AM	Container-01 of 01
Surr: 4-Terphenyl-d14	102		1	%REC	Limit	18-137	03/02/2013 1:05 AM	Container-01 of 01
Surr: Nitrobenzene-d5	79.7		1	%REC	Limit	23-120	03/02/2013 1:05 AM	Container-01 of 01
Surr: Phenol-d5	90.1		1	%REC	Limit	24-113	03/02/2013 1:05 AM	Container-01 of 01

Analytical Method: SW7471 Prep Method: SW7471 Prep Date: 3/5/2013 12:00:00 PM Analyst: JG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Mercury	< 0.22		1	mg/Kg-dry	03/05/2013 5:03 PM	Container-01 of 01

Analytical Method: D2216 Analyst: JA

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	8.6	H	1	wt%	02/28/2013 3:57 PM	Container-01 of 01

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Joann M. Slavin
Laboratory Manager

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NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 10:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-003
Client Sample ID: SB-2 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW6010B Prep Method: SW3050A Prep Date: 3/4/2013 4:00:00 PM Analyst: Aba

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Aluminum	2,040		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Antimony	< 6.10		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Arsenic	1.30		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Barium	< 20.3		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Beryllium	< 0.51		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Cadmium	< 0.51		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Calcium	1,790		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Chromium	8.97		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Cobalt	< 5.09		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Copper	3.43		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Iron	7,100		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Lead	5.87		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Magnesium	779		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Manganese	117		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Nickel	4.55		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Potassium	869		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Selenium	< 0.51		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Silver	< 1.02		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Sodium	109		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Thallium	< 1.02		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Vanadium	6.42		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01
Zinc	11.5		1	mg/kg-dry	03/06/2013 9:30 AM	Container-01 of 01

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NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman

Collected : 2/22/2013 10:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-003
Client Sample ID: SB-2 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8081/8082 Prep Method: SW3545 Prep Date: 2/27/2013 9:43:52 AM Analyst: KB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
4,4´-DDD	< 3.4		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
4,4´-DDE	< 3.4		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
4,4´-DDT	< 3.4		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Aldrin	< 1.7		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
alpha-BHC	< 1.7		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
alpha-Chlordane	< 1.7		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Aroclor 1016	< 34		1	µg/Kg-dry			03/01/2013 2:26 PM	Container-01 of 01
Aroclor 1221	< 68		1	µg/Kg-dry			03/01/2013 2:26 PM	Container-01 of 01
Aroclor 1232	< 34		1	µg/Kg-dry			03/01/2013 2:26 PM	Container-01 of 01
Aroclor 1242	< 34		1	µg/Kg-dry			03/01/2013 2:26 PM	Container-01 of 01
Aroclor 1248	< 34		1	µg/Kg-dry			03/01/2013 2:26 PM	Container-01 of 01
Aroclor 1254	< 34		1	µg/Kg-dry			03/01/2013 2:26 PM	Container-01 of 01
Aroclor 1260	< 34		1	µg/Kg-dry			03/01/2013 2:26 PM	Container-01 of 01
beta-BHC	< 1.7		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
delta-BHC	< 1.7		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Dieldrin	< 3.4		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Endosulfan I	< 1.7		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Endosulfan II	< 3.4		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Endosulfan sulfate	< 3.4		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Endrin	< 3.4		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Endrin aldehyde	< 3.4		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Endrin ketone	< 3.4		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
gamma-BHC	< 1.7		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
gamma-Chlordane	< 1.7		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Heptachlor	< 1.7		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Heptachlor epoxide	< 1.7		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Methoxychlor	< 17		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Toxaphene	< 170		1	µg/Kg-dry			03/04/2013 11:40 PM	Container-01 of 01
Surr: Decachlorobiphenyl	61.1		1	%REC	Limit	30-150	03/01/2013 2:26 PM	Container-01 of 01
Surr: Decachlorobiphenyl	69.0		1	%REC	Limit	30-150	03/04/2013 11:40 PM	Container-01 of 01
Surr: Tetrachloro-m-xylene	68.9		1	%REC	Limit	30-150	03/04/2013 11:40 PM	Container-01 of 01
Surr: Tetrachloro-m-xylene	76.1		1	%REC	Limit	30-150	03/01/2013 2:26 PM	Container-01 of 01

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NYSDOH ID#10478

LABORATORY RESULTS

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 10:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-003
Client Sample ID: SB-2 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260B Prep Method: 5035A-L Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 13	c	1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
1,1,2,2-Tetrachloroethane	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
1,1,2-Trichloro-1,2,2-trifluoroethan	< 13	c	1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
1,1,2-Trichloroethane	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
1,1-Dichloroethane	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
1,1-Dichloroethene	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
1,2,4-Trichlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
1,2-Dibromo-3-chloropropane	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
1,2-Dibromoethane	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
1,2-Dichlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
1,2-Dichloroethane	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
1,2-Dichloropropane	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
1,3-Dichlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
1,4-Dichlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
2-Butanone	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
2-Hexanone	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
4-Methyl-2-pentanone	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
Acetone	13	c	1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
Benzene	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
Bromodichloromethane	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
Bromoform	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
Bromomethane	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
Carbon disulfide	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
Carbon tetrachloride	< 13	cs	1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
Chlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
Chloroethane	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
Chloroform	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
Chloromethane	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
cis-1,2-Dichloroethene	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
cis-1,3-Dichloropropene	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
Cyclohexane	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03
Dibromochloromethane	< 13		1	µg/Kg-dry	03/05/2013 3:47 PM	Container-01 of 03

Qualifiers: E = Value above quantitation range
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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 10:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-003
Client Sample ID: SB-2 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260B Prep Method: 5035A-L Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Dichlorodifluoromethane	< 13	c	1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Ethylbenzene	< 13		1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Isopropylbenzene	< 13		1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Methyl Acetate	< 13		1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Methyl tert-butyl ether	< 13		1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Methylcyclohexane	< 13		1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Methylene chloride	< 13		1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Styrene	< 13		1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Tetrachloroethene	< 13	c	1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Toluene	< 13		1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
trans-1,2-Dichloroethene	< 13		1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
trans-1,3-Dichloropropene	< 13		1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Trichloroethene	< 13		1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Trichlorofluoromethane	< 13	cs	1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Vinyl chloride	< 13		1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Xylene (total)	< 13		1	µg/Kg-dry			03/05/2013 3:47 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	103		1	%REC	Limit	33-150	03/05/2013 3:47 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	88.4		1	%REC	Limit	34-145	03/05/2013 3:47 PM	Container-01 of 03
Surr: Toluene-d8	105		1	%REC	Limit	43-157	03/05/2013 3:47 PM	Container-01 of 03

Qualifiers: E = Value above quantitation range
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Joann M. Slavin
Laboratory Manager

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A division of H2M Labs, Inc.
575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 10:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-003
Client Sample ID: SB-2 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1´-Biphenyl	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2,2´-oxybis(1-chloropropane)	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2,4,5-Trichlorophenol	< 840		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2,4,6-Trichlorophenol	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2,4-Dichlorophenol	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2,4-Dimethylphenol	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2,4-Dinitrophenol	< 840	c	1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2,4-Dinitrotoluene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2,6-Dinitrotoluene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2-Chloronaphthalene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2-Chlorophenol	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2-Methylnaphthalene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2-Methylphenol	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2-Nitroaniline	< 840		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
2-Nitrophenol	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
3,3´-Dichlorobenzidine	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
3-Nitroaniline	< 840		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 840		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
4-Bromophenyl-phenylether	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
4-Chloro-3-methylphenol	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
4-Chloroaniline	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
4-Chlorophenyl-phenylether	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
4-Methylphenol	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
4-Nitroaniline	< 840		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
4-Nitrophenol	< 840		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Acenaphthene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Acenaphthylene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Acetophenone	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Anthracene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Atrazine	< 340	c	1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Benzaldehyde	< 340	c	1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Benzo(a)anthracene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01

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Joann M. Slavin
Laboratory Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 10:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-003
Client Sample ID: SB-2 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Benzo(a)pyrene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Benzo(b)fluoranthene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Benzo(g,h,i)perylene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Benzo(k)fluoranthene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Bis(2-chloroethoxy)methane	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Bis(2-chloroethyl)ether	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Butyl benzyl phthalate	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Caprolactam	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Carbazole	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Chrysene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Dibenzo(a,h)anthracene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Dibenzofuran	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Diethylphthalate	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Dimethylphthalate	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Di-n-butyl phthalate	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Di-n-octyl phthalate	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Fluoranthene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Fluorene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Hexachlorobenzene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Hexachlorobutadiene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Hexachlorocyclopentadiene	< 340	c	1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Hexachloroethane	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Isophorone	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Naphthalene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Nitrobenzene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
N-Nitrosodiphenylamine	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Pentachlorophenol	< 840	c	1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Phenanthrene	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01
Phenol	< 340		1	µg/Kg-dry	03/02/2013 1:37 AM	Container-01 of 01

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NYSDOH ID#10478

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960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 10:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-003
Client Sample ID: SB-2 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Pyrene	< 340		1	µg/Kg-dry			03/02/2013 1:37 AM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	76.9		1	%REC	Limit	20-130	03/02/2013 1:37 AM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	77.4		1	%REC	Limit	19-122	03/02/2013 1:37 AM	Container-01 of 01
Surr: 2-Chlorophenol-d4	81.1		1	%REC	Limit	20-130	03/02/2013 1:37 AM	Container-01 of 01
Surr: 2-Fluorobiphenyl	82.4		1	%REC	Limit	30-115	03/02/2013 1:37 AM	Container-01 of 01
Surr: 2-Fluorophenol	81.8		1	%REC	Limit	25-121	03/02/2013 1:37 AM	Container-01 of 01
Surr: 4-Terphenyl-d14	105		1	%REC	Limit	18-137	03/02/2013 1:37 AM	Container-01 of 01
Surr: Nitrobenzene-d5	78.5		1	%REC	Limit	23-120	03/02/2013 1:37 AM	Container-01 of 01
Surr: Phenol-d5	87.7		1	%REC	Limit	24-113	03/02/2013 1:37 AM	Container-01 of 01

Analytical Method: SW7471 Prep Method: SW7471 Prep Date: 3/5/2013 12:00:00 PM Analyst: JG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Mercury	< 0.20		1	mg/Kg-dry	03/05/2013 5:05 PM	Container-01 of 01

Analytical Method: D2216 Analyst: JA

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	1.7		1	wt%	02/28/2013 4:00 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
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Joann M. Slavin
Laboratory Manager

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NYSDOH ID#10478

LABORATORY RESULTS

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 11:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-004
Client Sample ID: SB-2 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW6010B Prep Method: SW3050A Prep Date: 3/4/2013 4:00:00 PM Analyst: Aba

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Aluminum	4,400		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Antimony	< 6.27		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Arsenic	< 1.05		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Barium	< 20.9		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Beryllium	< 0.52		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Cadmium	< 0.52		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Calcium	867		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Chromium	16.1		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Cobalt	5.46		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Copper	8.06		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Iron	6,550		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Lead	2.97		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Magnesium	1,320		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Manganese	100		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Nickel	8.05		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Potassium	892		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Selenium	< 0.52		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Silver	< 1.05		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Sodium	68.6		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Thallium	< 1.05		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Vanadium	13.4		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01
Zinc	13.6		1	mg/kg-dry	03/06/2013 9:34 AM	Container-01 of 01

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Hicksville, NY 11801
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Collected : 2/22/2013 11:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-004
Client Sample ID: SB-2 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8081/8082 Prep Method: SW3545 Prep Date: 2/27/2013 9:43:52 AM Analyst: KB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
4,4´-DDD	< 3.4		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
4,4´-DDE	< 3.4		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
4,4´-DDT	< 3.4		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Aldrin	< 1.8		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
alpha-BHC	< 1.8		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
alpha-Chlordane	< 1.8		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Aroclor 1016	< 34		1	µg/Kg-dry			03/01/2013 2:43 PM	Container-01 of 01
Aroclor 1221	< 70		1	µg/Kg-dry			03/01/2013 2:43 PM	Container-01 of 01
Aroclor 1232	< 34		1	µg/Kg-dry			03/01/2013 2:43 PM	Container-01 of 01
Aroclor 1242	< 34		1	µg/Kg-dry			03/01/2013 2:43 PM	Container-01 of 01
Aroclor 1248	< 34		1	µg/Kg-dry			03/01/2013 2:43 PM	Container-01 of 01
Aroclor 1254	< 34		1	µg/Kg-dry			03/01/2013 2:43 PM	Container-01 of 01
Aroclor 1260	< 34		1	µg/Kg-dry			03/01/2013 2:43 PM	Container-01 of 01
beta-BHC	< 1.8		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
delta-BHC	< 1.8		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Dieldrin	< 3.4		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Endosulfan I	< 1.8		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Endosulfan II	< 3.4		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Endosulfan sulfate	< 3.4		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Endrin	< 3.4		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Endrin aldehyde	< 3.4		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Endrin ketone	< 3.4		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
gamma-BHC	< 1.8		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
gamma-Chlordane	< 1.8		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Heptachlor	< 1.8		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Heptachlor epoxide	< 1.8		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Methoxychlor	< 18		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Toxaphene	< 180		1	µg/Kg-dry			03/05/2013 12:25 AM	Container-01 of 01
Surr: Decachlorobiphenyl	58.5		1	%REC	Limit	30-150	03/01/2013 2:43 PM	Container-01 of 01
Surr: Decachlorobiphenyl	57.8		1	%REC	Limit	30-150	03/05/2013 12:25 AM	Container-01 of 01
Surr: Tetrachloro-m-xylene	71.1		1	%REC	Limit	30-150	03/05/2013 12:25 AM	Container-01 of 01
Surr: Tetrachloro-m-xylene	72.8		1	%REC	Limit	30-150	03/01/2013 2:43 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
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Joann M. Slavin
Laboratory Manager

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Date Reported : 3/7/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.
575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 11:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-004
Client Sample ID: SB-2 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260B Prep Method: 5035A-L Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 13	c	1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
1,1,2,2-Tetrachloroethane	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
1,1,2-Trichloro-1,2,2-trifluoroethan	< 13	c	1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
1,1,2-Trichloroethane	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
1,1-Dichloroethane	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
1,1-Dichloroethene	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
1,2,4-Trichlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
1,2-Dibromo-3-chloropropane	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
1,2-Dibromoethane	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
1,2-Dichlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
1,2-Dichloroethane	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
1,2-Dichloropropane	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
1,3-Dichlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
1,4-Dichlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
2-Butanone	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
2-Hexanone	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
4-Methyl-2-pentanone	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
Acetone	15	c	1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
Benzene	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
Bromodichloromethane	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
Bromoform	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
Bromomethane	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
Carbon disulfide	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
Carbon tetrachloride	< 13	cs	1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
Chlorobenzene	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
Chloroethane	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
Chloroform	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
Chloromethane	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
cis-1,2-Dichloroethene	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
cis-1,3-Dichloropropene	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
Cyclohexane	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03
Dibromochloromethane	< 13		1	µg/Kg-dry	03/05/2013 4:17 PM	Container-01 of 03

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Joann M. Slavin
Laboratory Manager

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575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 11:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-004
Client Sample ID: SB-2 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260B Prep Method: 5035A-L Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Dichlorodifluoromethane	< 13	c	1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Ethylbenzene	< 13		1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Isopropylbenzene	< 13		1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Methyl Acetate	< 13		1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Methyl tert-butyl ether	< 13		1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Methylcyclohexane	< 13		1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Methylene chloride	< 13		1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Styrene	< 13		1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Tetrachloroethene	< 13	c	1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Toluene	< 13		1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
trans-1,2-Dichloroethene	< 13		1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
trans-1,3-Dichloropropene	< 13		1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Trichloroethene	< 13		1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Trichlorofluoromethane	< 13	cs	1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Vinyl chloride	< 13		1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Xylene (total)	< 13		1	µg/Kg-dry			03/05/2013 4:17 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	102		1	%REC	Limit	33-150	03/05/2013 4:17 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	85.9		1	%REC	Limit	34-145	03/05/2013 4:17 PM	Container-01 of 03
Surr: Toluene-d8	102		1	%REC	Limit	43-157	03/05/2013 4:17 PM	Container-01 of 03

Qualifiers: E = Value above quantitation range
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Laboratory Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 11:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-004
Client Sample ID: SB-2 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1´-Biphenyl	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2,2´-oxybis(1-chloropropane)	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2,4,5-Trichlorophenol	< 860		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2,4,6-Trichlorophenol	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2,4-Dichlorophenol	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2,4-Dimethylphenol	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2,4-Dinitrophenol	< 860	c	1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2,4-Dinitrotoluene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2,6-Dinitrotoluene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2-Chloronaphthalene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2-Chlorophenol	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2-Methylnaphthalene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2-Methylphenol	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2-Nitroaniline	< 860		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
2-Nitrophenol	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
3,3´-Dichlorobenzidine	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
3-Nitroaniline	< 860		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 860		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
4-Bromophenyl-phenylether	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
4-Chloro-3-methylphenol	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
4-Chloroaniline	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
4-Chlorophenyl-phenylether	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
4-Methylphenol	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
4-Nitroaniline	< 860		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
4-Nitrophenol	< 860		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Acenaphthene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Acenaphthylene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Acetophenone	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Anthracene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Atrazine	< 340	c	1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Benzaldehyde	< 340	c	1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Benzo(a)anthracene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01

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Joann M. Slavin
Laboratory Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 11:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-004
Client Sample ID: SB-2 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Benzo(a)pyrene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Benzo(b)fluoranthene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Benzo(g,h,i)perylene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Benzo(k)fluoranthene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Bis(2-chloroethoxy)methane	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Bis(2-chloroethyl)ether	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Butyl benzyl phthalate	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Caprolactam	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Carbazole	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Chrysene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Dibenzo(a,h)anthracene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Dibenzofuran	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Diethylphthalate	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Dimethylphthalate	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Di-n-butyl phthalate	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Di-n-octyl phthalate	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Fluoranthene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Fluorene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Hexachlorobenzene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Hexachlorobutadiene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Hexachlorocyclopentadiene	< 340	c	1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Hexachloroethane	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Isophorone	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Naphthalene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Nitrobenzene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
N-Nitrosodiphenylamine	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Pentachlorophenol	< 860	c	1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Phenanthrene	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01
Phenol	< 340		1	µg/Kg-dry	03/02/2013 3:13 AM	Container-01 of 01

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Laboratory Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 11:30:00 AM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-004
Client Sample ID: SB-2 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Pyrene	< 340		1	µg/Kg-dry			03/02/2013 3:13 AM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	71.7		1	%REC	Limit	20-130	03/02/2013 3:13 AM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	74.5		1	%REC	Limit	19-122	03/02/2013 3:13 AM	Container-01 of 01
Surr: 2-Chlorophenol-d4	76.7		1	%REC	Limit	20-130	03/02/2013 3:13 AM	Container-01 of 01
Surr: 2-Fluorobiphenyl	80.5		1	%REC	Limit	30-115	03/02/2013 3:13 AM	Container-01 of 01
Surr: 2-Fluorophenol	76.9		1	%REC	Limit	25-121	03/02/2013 3:13 AM	Container-01 of 01
Surr: 4-Terphenyl-d14	103		1	%REC	Limit	18-137	03/02/2013 3:13 AM	Container-01 of 01
Surr: Nitrobenzene-d5	78.2		1	%REC	Limit	23-120	03/02/2013 3:13 AM	Container-01 of 01
Surr: Phenol-d5	86.0		1	%REC	Limit	24-113	03/02/2013 3:13 AM	Container-01 of 01

Analytical Method: SW7471 Prep Method: SW7471 Prep Date: 3/5/2013 12:00:00 PM Analyst: JG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Mercury	< 0.21		1	mg/Kg-dry	03/05/2013 5:07 PM	Container-01 of 01

Analytical Method: D2216 Analyst: JA

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	4.4		1	wt%	02/28/2013 4:02 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
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NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 3:00:00 PM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-005
Client Sample ID: SB-3 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW6010B Prep Method: SW3050A Prep Date: 3/4/2013 4:00:00 PM Analyst: Aba

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Aluminum	6,660		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Antimony	< 6.78		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Arsenic	5.88		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Barium	617		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Beryllium	< 0.56		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Cadmium	< 0.56		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Calcium	41,300		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Chromium	15.9		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Cobalt	< 5.65		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Copper	19.1		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Iron	11,300		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Lead	1,570		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Magnesium	3,060		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Manganese	270		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Nickel	13.4		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Potassium	1,220		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Selenium	0.95		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Silver	< 1.13		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Sodium	385		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Thallium	< 1.13		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Vanadium	21.0		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01
Zinc	468		1	mg/kg-dry	03/06/2013 9:38 AM	Container-01 of 01

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Joann M. Slavin
Laboratory Manager

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NYSDOH ID#10478

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960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 3:00:00 PM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-005
Client Sample ID: SB-3 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8081/8082 Prep Method: SW3545 Prep Date: 2/27/2013 9:43:52 AM Analyst: KB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
4,4´-DDD	46		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
4,4´-DDE	200	D	10	µg/Kg-dry			03/04/2013 8:58 PM	Container-01 of 01
4,4´-DDT	480	D	10	µg/Kg-dry			03/04/2013 8:58 PM	Container-01 of 01
Aldrin	< 1.9		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
alpha-BHC	< 1.9		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
alpha-Chlordane	< 1.9		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
Aroclor 1016	< 37		1	µg/Kg-dry			03/01/2013 2:59 PM	Container-01 of 01
Aroclor 1221	< 75		1	µg/Kg-dry			03/01/2013 2:59 PM	Container-01 of 01
Aroclor 1232	< 37		1	µg/Kg-dry			03/01/2013 2:59 PM	Container-01 of 01
Aroclor 1242	< 37		1	µg/Kg-dry			03/01/2013 2:59 PM	Container-01 of 01
Aroclor 1248	< 37		1	µg/Kg-dry			03/01/2013 2:59 PM	Container-01 of 01
Aroclor 1254	< 37		1	µg/Kg-dry			03/01/2013 2:59 PM	Container-01 of 01
Aroclor 1260	< 37		1	µg/Kg-dry			03/01/2013 2:59 PM	Container-01 of 01
beta-BHC	< 1.9		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
delta-BHC	< 1.9		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
Dieldrin	< 3.7		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
Endosulfan I	< 1.9		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
Endosulfan II	< 3.7		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
Endosulfan sulfate	< 3.7		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
Endrin	< 3.7		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
Endrin aldehyde	< 3.7		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
Endrin ketone	< 3.7		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
gamma-BHC	< 1.9		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
gamma-Chlordane	< 1.9		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
Heptachlor	< 1.9		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
Heptachlor epoxide	< 1.9		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
Methoxychlor	< 19		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
Toxaphene	< 190		1	µg/Kg-dry			03/04/2013 8:28 PM	Container-01 of 01
Surr: Decachlorobiphenyl	65.2		1	%REC	Limit	30-150	03/01/2013 2:59 PM	Container-01 of 01
Surr: Decachlorobiphenyl	209	S	1	%REC	Limit	30-150	03/04/2013 8:28 PM	Container-01 of 01
Surr: Tetrachloro-m-xylene	70.8		1	%REC	Limit	30-150	03/04/2013 8:28 PM	Container-01 of 01
Surr: Tetrachloro-m-xylene	74.0		1	%REC	Limit	30-150	03/01/2013 2:59 PM	Container-01 of 01

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Laboratory Manager

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Collected By : CLIENT

Lab No. : 1302B22-005
Client Sample ID: SB-3 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

NOTES:
Surrogate recovery high due to unresolved interferences.

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Lab No. : 1302B22-005
Client Sample ID: SB-3 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260B Prep Method: 5035A-L Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 15	c	1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
1,1,2,2-Tetrachloroethane	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
1,1,2-Trichloro-1,2,2-trifluoroethan	< 15	c	1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
1,1,2-Trichloroethane	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
1,1-Dichloroethane	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
1,1-Dichloroethene	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
1,2,4-Trichlorobenzene	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
1,2-Dibromo-3-chloropropane	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
1,2-Dibromoethane	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
1,2-Dichlorobenzene	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
1,2-Dichloroethane	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
1,2-Dichloropropane	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
1,3-Dichlorobenzene	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
1,4-Dichlorobenzene	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
2-Butanone	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
2-Hexanone	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
4-Methyl-2-pentanone	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
Acetone	16	c	1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
Benzene	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
Bromodichloromethane	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
Bromoform	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
Bromomethane	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
Carbon disulfide	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
Carbon tetrachloride	< 15	cs	1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
Chlorobenzene	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
Chloroethane	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
Chloroform	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
Chloromethane	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
cis-1,2-Dichloroethene	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
cis-1,3-Dichloropropene	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
Cyclohexane	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03
Dibromochloromethane	< 15		1	µg/Kg-dry	03/05/2013 4:47 PM	Container-01 of 03

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NYSDOH ID#10478

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Collected : 2/22/2013 3:00:00 PM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-005
Client Sample ID: SB-3 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260B Prep Method: 5035A-L Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Dichlorodifluoromethane	< 15	c	1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Ethylbenzene	< 15		1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Isopropylbenzene	< 15		1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Methyl Acetate	< 15		1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Methyl tert-butyl ether	< 15		1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Methylcyclohexane	< 15		1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Methylene chloride	< 15		1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Styrene	< 15		1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Tetrachloroethene	< 15	c	1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Toluene	< 15		1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
trans-1,2-Dichloroethene	< 15		1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
trans-1,3-Dichloropropene	< 15		1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Trichloroethene	< 15		1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Trichlorofluoromethane	< 15	cs	1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Vinyl chloride	< 15		1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Xylene (total)	< 15		1	µg/Kg-dry			03/05/2013 4:47 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	105		1	%REC	Limit	33-150	03/05/2013 4:47 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	86.5		1	%REC	Limit	34-145	03/05/2013 4:47 PM	Container-01 of 03
Surr: Toluene-d8	103		1	%REC	Limit	43-157	03/05/2013 4:47 PM	Container-01 of 03

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Lab No. : 1302B22-005
Client Sample ID: SB-3 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1´-Biphenyl	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2,2´-oxybis(1-chloropropane)	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2,4,5-Trichlorophenol	< 930		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2,4,6-Trichlorophenol	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2,4-Dichlorophenol	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2,4-Dimethylphenol	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2,4-Dinitrophenol	< 930	c	1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2,4-Dinitrotoluene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2,6-Dinitrotoluene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2-Chloronaphthalene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2-Chlorophenol	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2-Methylnaphthalene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2-Methylphenol	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2-Nitroaniline	< 930		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
2-Nitrophenol	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
3,3´-Dichlorobenzidine	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
3-Nitroaniline	< 930		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 930		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
4-Bromophenyl-phenylether	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
4-Chloro-3-methylphenol	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
4-Chloroaniline	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
4-Chlorophenyl-phenylether	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
4-Methylphenol	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
4-Nitroaniline	< 930		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
4-Nitrophenol	< 930		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Acenaphthene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Acenaphthylene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Acetophenone	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Anthracene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Atrazine	< 370	c	1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Benzaldehyde	< 370	c	1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Benzo(a)anthracene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01

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Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Benzo(a)pyrene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Benzo(b)fluoranthene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Benzo(g,h,i)perylene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Benzo(k)fluoranthene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Bis(2-chloroethoxy)methane	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Bis(2-chloroethyl)ether	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Butyl benzyl phthalate	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Caprolactam	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Carbazole	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Chrysene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Dibenzo(a,h)anthracene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Dibenzofuran	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Diethylphthalate	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Dimethylphthalate	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Di-n-butyl phthalate	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Di-n-octyl phthalate	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Fluoranthene	610		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Fluorene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Hexachlorobenzene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Hexachlorobutadiene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Hexachlorocyclopentadiene	< 370	c	1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Hexachloroethane	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Isophorone	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Naphthalene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Nitrobenzene	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
N-Nitrosodiphenylamine	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Pentachlorophenol	< 930	c	1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Phenanthrene	530		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01
Phenol	< 370		1	µg/Kg-dry	03/02/2013 4:49 AM	Container-01 of 01

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N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 3:00:00 PM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-005
Client Sample ID: SB-3 (0-2')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Pyrene	700		1	µg/Kg-dry			03/02/2013 4:49 AM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	72.4		1	%REC	Limit	20-130	03/02/2013 4:49 AM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	88.2		1	%REC	Limit	19-122	03/02/2013 4:49 AM	Container-01 of 01
Surr: 2-Chlorophenol-d4	80.8		1	%REC	Limit	20-130	03/02/2013 4:49 AM	Container-01 of 01
Surr: 2-Fluorobiphenyl	86.9		1	%REC	Limit	30-115	03/02/2013 4:49 AM	Container-01 of 01
Surr: 2-Fluorophenol	81.1		1	%REC	Limit	25-121	03/02/2013 4:49 AM	Container-01 of 01
Surr: 4-Terphenyl-d14	107		1	%REC	Limit	18-137	03/02/2013 4:49 AM	Container-01 of 01
Surr: Nitrobenzene-d5	80.5		1	%REC	Limit	23-120	03/02/2013 4:49 AM	Container-01 of 01
Surr: Phenol-d5	92.5		1	%REC	Limit	24-113	03/02/2013 4:49 AM	Container-01 of 01

Analytical Method: SW7471 Prep Method: SW7471 Prep Date: 3/5/2013 12:00:00 PM Analyst: JG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Mercury	1.04		1	mg/Kg-dry	03/05/2013 5:09 PM	Container-01 of 01

Analytical Method: D2216 Analyst: JA

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	11.5		1	wt%	02/28/2013 4:03 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
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J = Estimated value - below calibration range
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N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 4:00:00 PM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-006
Client Sample ID: SB-3 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW6010B Prep Method: SW3050A Prep Date: 3/4/2013 4:00:00 PM Analyst: Aba

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Aluminum	3,900		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Antimony	< 6.63		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Arsenic	< 1.10		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Barium	< 22.1		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Beryllium	< 0.55		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Cadmium	< 0.55		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Calcium	1,010		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Chromium	13.0		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Cobalt	< 5.52		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Copper	8.13		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Iron	6,410		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Lead	3.84		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Magnesium	1,210		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Manganese	71.2		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Nickel	6.10		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Potassium	868		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Selenium	< 0.55		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Silver	< 1.10		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Sodium	65.4		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Thallium	< 1.10		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Vanadium	14.6		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01
Zinc	17.0		1	mg/kg-dry	03/06/2013 9:55 AM	Container-01 of 01

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NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 4:00:00 PM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-006
Client Sample ID: SB-3 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8081/8082 Prep Method: SW3545 Prep Date: 2/27/2013 9:43:52 AM Analyst: KB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
4,4´-DDD	< 3.6		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
4,4´-DDE	< 3.6		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
4,4´-DDT	< 3.6		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Aldrin	< 1.9		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
alpha-BHC	< 1.9		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
alpha-Chlordane	< 1.9		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Aroclor 1016	< 36		1	µg/Kg-dry			03/01/2013 3:16 PM	Container-01 of 01
Aroclor 1221	< 74		1	µg/Kg-dry			03/01/2013 3:16 PM	Container-01 of 01
Aroclor 1232	< 36		1	µg/Kg-dry			03/01/2013 3:16 PM	Container-01 of 01
Aroclor 1242	< 36		1	µg/Kg-dry			03/01/2013 3:16 PM	Container-01 of 01
Aroclor 1248	< 36		1	µg/Kg-dry			03/01/2013 3:16 PM	Container-01 of 01
Aroclor 1254	< 36		1	µg/Kg-dry			03/01/2013 3:16 PM	Container-01 of 01
Aroclor 1260	< 36		1	µg/Kg-dry			03/01/2013 3:16 PM	Container-01 of 01
beta-BHC	< 1.9		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
delta-BHC	< 1.9		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Dieldrin	< 3.6		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Endosulfan I	< 1.9		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Endosulfan II	< 3.6		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Endosulfan sulfate	< 3.6		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Endrin	< 3.6		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Endrin aldehyde	< 3.6		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Endrin ketone	< 3.6		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
gamma-BHC	< 1.9		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
gamma-Chlordane	< 1.9		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Heptachlor	< 1.9		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Heptachlor epoxide	< 1.9		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Methoxychlor	< 19		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Toxaphene	< 190		1	µg/Kg-dry			03/05/2013 12:39 AM	Container-01 of 01
Surr: Decachlorobiphenyl	56.9		1	%REC	Limit	30-150	03/01/2013 3:16 PM	Container-01 of 01
Surr: Decachlorobiphenyl	63.5		1	%REC	Limit	30-150	03/05/2013 12:39 AM	Container-01 of 01
Surr: Tetrachloro-m-xylene	78.2		1	%REC	Limit	30-150	03/05/2013 12:39 AM	Container-01 of 01
Surr: Tetrachloro-m-xylene	71.0		1	%REC	Limit	30-150	03/01/2013 3:16 PM	Container-01 of 01

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Laboratory Manager

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NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 4:00:00 PM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-006
Client Sample ID: SB-3 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260B Prep Method: 5035A-L Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1,1-Trichloroethane	< 14	c	1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
1,1,2,2-Tetrachloroethane	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
1,1,2-Trichloro-1,2,2-trifluoroethan	< 14	c	1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
1,1,2-Trichloroethane	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
1,1-Dichloroethane	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
1,1-Dichloroethene	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
1,2,4-Trichlorobenzene	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
1,2-Dibromo-3-chloropropane	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
1,2-Dibromoethane	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
1,2-Dichlorobenzene	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
1,2-Dichloroethane	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
1,2-Dichloropropane	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
1,3-Dichlorobenzene	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
1,4-Dichlorobenzene	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
2-Butanone	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
2-Hexanone	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
4-Methyl-2-pentanone	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
Acetone	16	c	1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
Benzene	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
Bromodichloromethane	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
Bromoform	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
Bromomethane	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
Carbon disulfide	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
Carbon tetrachloride	< 14	cs	1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
Chlorobenzene	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
Chloroethane	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
Chloroform	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
Chloromethane	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
cis-1,2-Dichloroethene	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
cis-1,3-Dichloropropene	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
Cyclohexane	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03
Dibromochloromethane	< 14		1	µg/Kg-dry	03/05/2013 5:17 PM	Container-01 of 03

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Laboratory Manager

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NYSDOH ID#10478

LABORATORY RESULTS

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 4:00:00 PM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-006
Client Sample ID: SB-3 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8260B Prep Method: 5035A-L Analyst: GKB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Dichlorodifluoromethane	< 14	c	1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Ethylbenzene	< 14		1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Isopropylbenzene	< 14		1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Methyl Acetate	< 14		1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Methyl tert-butyl ether	< 14		1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Methylcyclohexane	< 14		1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Methylene chloride	< 14		1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Styrene	< 14		1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Tetrachloroethene	< 14	c	1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Toluene	< 14		1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
trans-1,2-Dichloroethene	< 14		1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
trans-1,3-Dichloropropene	< 14		1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Trichloroethene	< 14		1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Trichlorofluoromethane	< 14	cs	1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Vinyl chloride	< 14		1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Xylene (total)	< 14		1	µg/Kg-dry			03/05/2013 5:17 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	104		1	%REC	Limit	33-150	03/05/2013 5:17 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	87.3		1	%REC	Limit	34-145	03/05/2013 5:17 PM	Container-01 of 03
Surr: Toluene-d8	103		1	%REC	Limit	43-157	03/05/2013 5:17 PM	Container-01 of 03

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J = Estimated value - below calibration range
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Joann M. Slavin
Laboratory Manager

Test results meet the requirements of NELAC unless otherwise noted.

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Date Reported : 3/7/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.
575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 4:00:00 PM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-006
Client Sample ID: SB-3 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1´-Biphenyl	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2,2´-oxybis(1-chloropropane)	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2,4,5-Trichlorophenol	< 910		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2,4,6-Trichlorophenol	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2,4-Dichlorophenol	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2,4-Dimethylphenol	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2,4-Dinitrophenol	< 910	c	1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2,4-Dinitrotoluene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2,6-Dinitrotoluene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2-Chloronaphthalene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2-Chlorophenol	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2-Methylnaphthalene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2-Methylphenol	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2-Nitroaniline	< 910		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
2-Nitrophenol	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
3,3´-Dichlorobenzidine	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
3-Nitroaniline	< 910		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 910		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
4-Bromophenyl-phenylether	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
4-Chloro-3-methylphenol	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
4-Chloroaniline	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
4-Chlorophenyl-phenylether	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
4-Methylphenol	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
4-Nitroaniline	< 910		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
4-Nitrophenol	< 910		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Acenaphthene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Acenaphthylene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Acetophenone	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Anthracene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Atrazine	< 360	c	1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Benzaldehyde	< 360	c	1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Benzo(a)anthracene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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r = Reporting limit > MDL and < LOQ
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
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Joann M. Slavin
Laboratory Manager

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A division of H2M Labs, Inc.
575 Broad Hollow Rd. , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 4:00:00 PM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-006
Client Sample ID: SB-3 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Benzo(a)pyrene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Benzo(b)fluoranthene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Benzo(g,h,i)perylene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Benzo(k)fluoranthene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Bis(2-chloroethoxy)methane	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Bis(2-chloroethyl)ether	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Butyl benzyl phthalate	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Caprolactam	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Carbazole	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Chrysene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Dibenzo(a,h)anthracene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Dibenzofuran	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Diethylphthalate	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Dimethylphthalate	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Di-n-butyl phthalate	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Di-n-octyl phthalate	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Fluoranthene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Fluorene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Hexachlorobenzene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Hexachlorobutadiene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Hexachlorocyclopentadiene	< 360	c	1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Hexachloroethane	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Isophorone	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Naphthalene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Nitrobenzene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
N-Nitrosodiphenylamine	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Pentachlorophenol	< 910	c	1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Phenanthrene	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01
Phenol	< 360		1	µg/Kg-dry	03/02/2013 3:45 AM	Container-01 of 01

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, NY 11801
Attn To : Karen Friedman
Collected : 2/22/2013 4:00:00 PM
Received : 2/27/2013 1:05:00 PM
Collected By : CLIENT

Lab No. : 1302B22-006
Client Sample ID: SB-3 (12-14')

321-325 West 35th Street, New York, NY 7186-NYNY

Sample Information:
Type : Soil

Origin:

Analytical Method: SW8270C Prep Method: SW3545 Prep Date: 2/27/2013 9:43:26 AM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Pyrene	< 360		1	µg/Kg-dry			03/02/2013 3:45 AM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	64.8		1	%REC	Limit	20-130	03/02/2013 3:45 AM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	88.1		1	%REC	Limit	19-122	03/02/2013 3:45 AM	Container-01 of 01
Surr: 2-Chlorophenol-d4	86.2		1	%REC	Limit	20-130	03/02/2013 3:45 AM	Container-01 of 01
Surr: 2-Fluorobiphenyl	86.6		1	%REC	Limit	30-115	03/02/2013 3:45 AM	Container-01 of 01
Surr: 2-Fluorophenol	87.4		1	%REC	Limit	25-121	03/02/2013 3:45 AM	Container-01 of 01
Surr: 4-Terphenyl-d14	109		1	%REC	Limit	18-137	03/02/2013 3:45 AM	Container-01 of 01
Surr: Nitrobenzene-d5	83.3		1	%REC	Limit	23-120	03/02/2013 3:45 AM	Container-01 of 01
Surr: Phenol-d5	94.7		1	%REC	Limit	24-113	03/02/2013 3:45 AM	Container-01 of 01

Analytical Method: SW7471 Prep Method: SW7471 Prep Date: 3/5/2013 12:00:00 PM Analyst: JG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Mercury	< 0.22		1	mg/Kg-dry	03/05/2013 5:10 PM	Container-01 of 01

Analytical Method: D2216 Analyst: JA

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Percent Moisture	9.4		1	wt%	02/28/2013 4:04 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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Joann M. Slavin
Laboratory Manager

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Date Reported : 3/7/2013

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name: **ACT-ECO**

Date and Time Received: **2/27/2013 1:05:00 PM**

Work Order Number: **1302B22** RcptNo: **1**

Received by: **LindsayPacelli**

Completed by: Lindsay Pacelli

Reviewed by: Jennifer Cr

Completed Date: 2/27/2013 2:11:44 PM

Reviewed Date: 3/1/2013 1:18:48 PM

Carrier name: H2M Pickup

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	4.8 º
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

ECOTEST LABORATORIES
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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1303017-001
ClientSample ID. : B-1W

Sample Information...

Type : Aqueous

Origin:

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801
Attn To : Karen Friedman

Collected : 2/25/2013 321-325 W. 35th St. New York, NY / 7186-NYNY
Received : 3/1/2013 10:55:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
1,1,1-Trichloroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
1,2,4-Trichlorobenzene	< 10	c	1	µg/L	SW8260B	03/06/2013 6:26 PM
1,2-Dibromo-3-chloropropane	< 10	c	1	µg/L	SW8260B	03/06/2013 6:26 PM
1,2-Dibromoethane	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
1,2-Dichlorobenzene	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
1,3-Dichlorobenzene	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
1,4-Dichlorobenzene	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
2-Butanone	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	03/06/2013 6:26 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
Acetone	< 10	c	1	µg/L	SW8260B	03/06/2013 6:26 PM
Benzene	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
Bromoform	< 10	c	1	µg/L	SW8260B	03/06/2013 6:26 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	03/06/2013 6:26 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
Chloroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
Chloroform	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	03/06/2013 6:26 PM
cis-1,2-Dichloroethene	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
Cyclohexane	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	03/06/2013 6:26 PM
Dichlorodifluoromethane	< 10	c	1	µg/L	SW8260B	03/06/2013 6:26 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
Isopropylbenzene	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
Methyl Acetate	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM
Methyl tert-butyl ether	< 10		1	µg/L	SW8260B	03/06/2013 6:26 PM

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Joann M. Slavin
Laboratory Manager

Date Reported : 3/7/2013

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1303017-001

ClientSample ID. : B-1W

Sample Information...

Type : Aqueous

Origin:

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801
Attn To : Karen Friedman

Collected : 2/25/2013 321-325 W. 35th St. New York, NY / 7186-NYNY
Received : 3/1/2013 10:55:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
Methylcyclohexane	< 10		1	µg/L		SW8260B	03/06/2013 6:26 PM
Methylene chloride	< 10		1	µg/L		SW8260B	03/06/2013 6:26 PM
Styrene	< 10		1	µg/L		SW8260B	03/06/2013 6:26 PM
Tetrachloroethene	< 10		1	µg/L		SW8260B	03/06/2013 6:26 PM
Toluene	< 10		1	µg/L		SW8260B	03/06/2013 6:26 PM
trans-1,2-Dichloroethene	< 10		1	µg/L		SW8260B	03/06/2013 6:26 PM
trans-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	03/06/2013 6:26 PM
Trichloroethene	< 10		1	µg/L		SW8260B	03/06/2013 6:26 PM
Trichlorofluoromethane	< 10		1	µg/L		SW8260B	03/06/2013 6:26 PM
Vinyl chloride	< 10		1	µg/L		SW8260B	03/06/2013 6:26 PM
Xylene (total)	< 10		1	µg/L		SW8260B	03/06/2013 6:26 PM
Surr: 1,2-Dichloroethane-d4	93.4		1	%REC	53-183	SW8260B	03/06/2013 6:26 PM
Surr: 4-Bromofluorobenzene	91.1		1	%REC	63-140	SW8260B	03/06/2013 6:26 PM
Surr: Toluene-d8	94.7		1	%REC	60-135	SW8260B	03/06/2013 6:26 PM

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Laboratory Manager

Date Reported : 3/7/2013

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575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Sample Information...

Type : Aqueous

Origin:

Lab No. : 1303017-002

ClientSample ID. : TW-1

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801
Attn To : Karen Friedman

Collected : 2/25/2013 321-325 W. 35th St. New York, NY / 7186-NYNY
Received : 3/1/2013 10:55:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
1,1,1-Trichloroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
1,2,4-Trichlorobenzene	< 10	c	1	µg/L	SW8260B	03/06/2013 6:55 PM
1,2-Dibromo-3-chloropropane	< 10	c	1	µg/L	SW8260B	03/06/2013 6:55 PM
1,2-Dibromoethane	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
1,2-Dichlorobenzene	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
1,3-Dichlorobenzene	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
1,4-Dichlorobenzene	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
2-Butanone	< 10	c	1	µg/L	SW8260B	03/06/2013 6:55 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	03/06/2013 6:55 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
Acetone	< 10	c	1	µg/L	SW8260B	03/06/2013 6:55 PM
Benzene	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
Bromoform	< 10	c	1	µg/L	SW8260B	03/06/2013 6:55 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	03/06/2013 6:55 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
Chloroethane	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
Chloroform	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	03/06/2013 6:55 PM
cis-1,2-Dichloroethene	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
Cyclohexane	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	03/06/2013 6:55 PM
Dichlorodifluoromethane	< 10	c	1	µg/L	SW8260B	03/06/2013 6:55 PM
Ethylbenzene	11		1	µg/L	SW8260B	03/06/2013 6:55 PM
Isopropylbenzene	17		1	µg/L	SW8260B	03/06/2013 6:55 PM
Methyl Acetate	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM
Methyl tert-butyl ether	< 10		1	µg/L	SW8260B	03/06/2013 6:55 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Date Reported : 3/7/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.
575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1303017-002

ClientSample ID. : TW-1

Sample Information...

Type : Aqueous

Origin:

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801
Attn To : Karen Friedman

Collected : 2/25/2013 321-325 W. 35th St. New York, NY / 7186-NYNY
Received : 3/1/2013 10:55:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
Methylcyclohexane	14		1	µg/L		SW8260B	03/06/2013 6:55 PM
Methylene chloride	< 10		1	µg/L		SW8260B	03/06/2013 6:55 PM
Styrene	< 10		1	µg/L		SW8260B	03/06/2013 6:55 PM
Tetrachloroethene	< 10		1	µg/L		SW8260B	03/06/2013 6:55 PM
Toluene	< 10		1	µg/L		SW8260B	03/06/2013 6:55 PM
trans-1,2-Dichloroethene	< 10		1	µg/L		SW8260B	03/06/2013 6:55 PM
trans-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	03/06/2013 6:55 PM
Trichloroethene	< 10		1	µg/L		SW8260B	03/06/2013 6:55 PM
Trichlorofluoromethane	< 10		1	µg/L		SW8260B	03/06/2013 6:55 PM
Vinyl chloride	< 10		1	µg/L		SW8260B	03/06/2013 6:55 PM
Xylene (total)	54		1	µg/L		SW8260B	03/06/2013 6:55 PM
Surr: 1,2-Dichloroethane-d4	94.5		1	%REC	53-183	SW8260B	03/06/2013 6:55 PM
Surr: 4-Bromofluorobenzene	94.1		1	%REC	63-140	SW8260B	03/06/2013 6:55 PM
Surr: Toluene-d8	94.7		1	%REC	60-135	SW8260B	03/06/2013 6:55 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Date Reported : 3/7/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.
575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1303017-003
ClientSample ID. : TW-2

Sample Information...

Type : Aqueous

Origin:

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801
Attn To : Karen Friedman

Collected : 2/25/2013 321-325 W. 35th St. New York, NY / 7186-NYNY
Received : 3/1/2013 10:55:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
1,1,1-Trichloroethane	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
1,1,2,2-Tetrachloroethane	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
1,1,2-Trichloroethane	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
1,1-Dichloroethane	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
1,1-Dichloroethene	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
1,2,4-Trichlorobenzene	< 10	c	1	µg/L	SW8260B	03/06/2013 7:24 PM
1,2-Dibromo-3-chloropropane	< 10	c	1	µg/L	SW8260B	03/06/2013 7:24 PM
1,2-Dibromoethane	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
1,2-Dichlorobenzene	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
1,2-Dichloroethane	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
1,2-Dichloropropane	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
1,3-Dichlorobenzene	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
1,4-Dichlorobenzene	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
2-Butanone	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
2-Hexanone	< 10	c	1	µg/L	SW8260B	03/06/2013 7:24 PM
4-Methyl-2-pentanone	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
Acetone	< 10	c	1	µg/L	SW8260B	03/06/2013 7:24 PM
Benzene	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
Bromodichloromethane	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
Bromoform	< 10	c	1	µg/L	SW8260B	03/06/2013 7:24 PM
Bromomethane	< 10	c	1	µg/L	SW8260B	03/06/2013 7:24 PM
Carbon disulfide	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
Carbon tetrachloride	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
Chlorobenzene	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
Chloroethane	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
Chloroform	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
Chloromethane	< 10	c	1	µg/L	SW8260B	03/06/2013 7:24 PM
cis-1,2-Dichloroethene	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
cis-1,3-Dichloropropene	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
Cyclohexane	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
Dibromochloromethane	< 10	c	1	µg/L	SW8260B	03/06/2013 7:24 PM
Dichlorodifluoromethane	< 10	c	1	µg/L	SW8260B	03/06/2013 7:24 PM
Ethylbenzene	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
Isopropylbenzene	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
Methyl Acetate	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM
Methyl tert-butyl ether	< 10		1	µg/L	SW8260B	03/06/2013 7:24 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Date Reported : 3/7/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.
575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Lab No. : 1303017-003

ClientSample ID. : TW-2

Sample Information...

Type : Aqueous

Origin:

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801
Attn To : Karen Friedman

Collected : 2/25/2013 321-325 W. 35th St. New York, NY / 7186-NYNY
Received : 3/1/2013 10:55:00 AM
Collected By CLIENT

Parameter(s)	Results	Qualifier	D.F.	Units		Method Number	Analyzed
Methylcyclohexane	< 10		1	µg/L		SW8260B	03/06/2013 7:24 PM
Methylene chloride	< 10		1	µg/L		SW8260B	03/06/2013 7:24 PM
Styrene	< 10		1	µg/L		SW8260B	03/06/2013 7:24 PM
Tetrachloroethene	< 10		1	µg/L		SW8260B	03/06/2013 7:24 PM
Toluene	< 10		1	µg/L		SW8260B	03/06/2013 7:24 PM
trans-1,2-Dichloroethene	< 10		1	µg/L		SW8260B	03/06/2013 7:24 PM
trans-1,3-Dichloropropene	< 10		1	µg/L		SW8260B	03/06/2013 7:24 PM
Trichloroethene	< 10		1	µg/L		SW8260B	03/06/2013 7:24 PM
Trichlorofluoromethane	< 10		1	µg/L		SW8260B	03/06/2013 7:24 PM
Vinyl chloride	< 10		1	µg/L		SW8260B	03/06/2013 7:24 PM
Xylene (total)	< 10		1	µg/L		SW8260B	03/06/2013 7:24 PM
Surr: 1,2-Dichloroethane-d4	92.2		1	%REC	53-183	SW8260B	03/06/2013 7:24 PM
Surr: 4-Bromofluorobenzene	91.0		1	%REC	63-140	SW8260B	03/06/2013 7:24 PM
Surr: Toluene-d8	94.5		1	%REC	60-135	SW8260B	03/06/2013 7:24 PM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
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s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Date Reported : 3/7/2013

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **ACT-ECO**

Date and Time Received: **3/1/2013 10:55:00 AM**

Work Order Number: **1303017** RcptNo: **1**

Received by **Asha Williams**

Completed by: M. Wart

Reviewed by:

Completed Date: 3/1/2013

Reviewed Date: 3/5/2013 3:23:03 PM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☐	No ☑		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	0.4 º
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bil ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☑ Yes ☐ No Person Contacted: Karen Friedman

Contact Mode: ☑ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: 3/1/2013 Contacted By: Jennifer Aracri

Regarding:

Comments:

No dates or times of collection were listed on the chain of custody. The dates were transcribed from the vials upon receipt, however, no times were on the vials.

CorrectiveAction:

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman
Collected : 3/4/2013 12:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-001A
Client Sample ID: B1-W

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: E200.7 Prep Method: E200.7 Prep Date: 3/12/2013 3:15:38 PM Analyst: CM

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Aluminum	0.25		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Antimony	< 60.0		1	ug/L	03/15/2013 1:51 PM	Container-01 of 01
Arsenic	< 10.0		1	ug/L	03/15/2013 1:51 PM	Container-01 of 01
Barium	< 0.20		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Beryllium	< 5.00		1	ug/L	03/15/2013 1:51 PM	Container-01 of 01
Cadmium	< 5.00		1	ug/L	03/15/2013 1:51 PM	Container-01 of 01
Calcium	306		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Chromium	< 0.01		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Cobalt	< 0.05		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Copper	< 0.02		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Iron	0.31		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Lead	6.83		1	ug/L	03/15/2013 1:51 PM	Container-01 of 01
Magnesium	27.2		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Manganese	0.19		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Nickel	< 0.04		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Potassium	8.95		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Selenium	33.0		1	ug/L	03/15/2013 1:51 PM	Container-01 of 01
Silver	< 0.01		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Sodium	41.6		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Thallium	< 10.0		1	ug/L	03/15/2013 1:51 PM	Container-01 of 01
Vanadium	< 0.05		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01
Zinc	< 0.02		1	mg/L	03/15/2013 1:51 PM	Container-01 of 01

Analytical Method: E245.1 Prep Method: E245.1 Prep Date: 3/14/2013 10:00:00 AM Analyst: JG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Mercury	< 0.2		1	ug/L	03/14/2013 1:56 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
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+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

QA Manager

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Date Reported : 3/21/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman
Collected : 3/4/2013 12:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-001B
Client Sample ID: B1-W

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8270C Prep Method: 3510 Prep Date: 3/8/2013 2:19:17 PM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1´-Biphenyl	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2,2´-oxybis(1-chloropropane)	< 10	c	1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2,4,5-Trichlorophenol	< 25		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2,4,6-Trichlorophenol	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2,4-Dichlorophenol	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2,4-Dimethylphenol	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2,4-Dinitrophenol	< 25		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2,4-Dinitrotoluene	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2,6-Dinitrotoluene	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2-Chloronaphthalene	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2-Chlorophenol	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2-Methylnaphthalene	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2-Methylphenol	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2-Nitroaniline	< 25	c	1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
2-Nitrophenol	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
3,3´-Dichlorobenzidine	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
3-Nitroaniline	< 25		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
4,6-Dinitro-2-methylphenol	< 25		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
4-Bromophenyl-phenylether	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
4-Chloro-3-methylphenol	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
4-Chloroaniline	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
4-Chlorophenyl-phenylether	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
4-Methylphenol	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
4-Nitroaniline	< 25		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
4-Nitrophenol	< 25		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
Acenaphthene	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
Acenaphthylene	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
Acetophenone	< 10	c	1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
Anthracene	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
Atrazine	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
Benzaldehyde	< 10	c	1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
Benzo(a)anthracene	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
Benzo(a)pyrene	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02
Benzo(b)fluoranthene	< 10		1	µg/L	03/08/2013 7:42 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit > MDL and < LOQ
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
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QA Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman
Collected : 3/4/2013 12:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-001B
Client Sample ID: B1-W

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8270C Prep Method: 3510 Prep Date: 3/8/2013 2:19:17 PM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Benzo(g,h,i)perylene	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Benzo(k)fluoranthene	< 10	c	1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Bis(2-chloroethoxy)methane	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Bis(2-chloroethyl)ether	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Bis(2-ethylhexyl)phthalate	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Butyl benzyl phthalate	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Caprolactam	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Carbazole	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Chrysene	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Dibenzo(a,h)anthracene	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Dibenzofuran	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Diethylphthalate	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Dimethylphthalate	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Di-n-butyl phthalate	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Di-n-octyl phthalate	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Fluoranthene	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Fluorene	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Hexachlorobenzene	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Hexachlorobutadiene	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Hexachlorocyclopentadiene	< 10	c	1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Hexachloroethane	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Indeno(1,2,3-cd)pyrene	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Isophorone	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Naphthalene	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Nitrobenzene	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
N-Nitroso-di-n-propylamine	< 10	c	1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
N-Nitrosodiphenylamine	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Pentachlorophenol	< 25		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Phenanthrene	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Phenol	< 10	s	1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Pyrene	< 10		1	µg/L			03/08/2013 7:42 PM	Container-01 of 02
Surr: 1,2-Dichlorobenzene-d4	68.0		1	%REC	Limit	16-110	03/08/2013 7:42 PM	Container-01 of 02
Surr: 2,4,6-Tribromophenol	120		1	%REC	Limit	10-123	03/08/2013 7:42 PM	Container-01 of 02
Surr: 2-Chlorophenol-d4	69.1		1	%REC	Limit	33-110	03/08/2013 7:42 PM	Container-01 of 02

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A division of H2M Labs, Inc.

575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman
Collected : 3/4/2013 12:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-001B
Client Sample ID: B1-W

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8270C Prep Method: 3510 Prep Date: 3/8/2013 2:19:17 PM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Surr: 2-Fluorobiphenyl	77.8		1	%REC	Limit	43-116	03/08/2013 7:42 PM	Container-01 of 02
Surr: 2-Fluorophenol	40.1		1	%REC	Limit	21-110	03/08/2013 7:42 PM	Container-01 of 02
Surr: 4-Terphenyl-d14	115		1	%REC	Limit	33-141	03/08/2013 7:42 PM	Container-01 of 02
Surr: Nitrobenzene-d5	72.8		1	%REC	Limit	35-114	03/08/2013 7:42 PM	Container-01 of 02
Surr: Phenol-d5	23.3		1	%REC	Limit	10-110	03/08/2013 7:42 PM	Container-01 of 02

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NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman

Collected : 3/4/2013 12:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-001C

Client Sample ID: B1-W

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8081/8082 Prep Method: 3510 Prep Date: 3/8/2013 6:34:43 PM Analyst: KB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
4,4´-DDD	< 0.10		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
4,4´-DDE	< 0.10		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
4,4´-DDT	< 0.10		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Aldrin	< 0.050		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
alpha-BHC	< 0.050		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
alpha-Chlordane	< 0.050		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Aroclor 1016	< 1.0		1	µg/L			03/12/2013 8:20 PM	Container-01 of 02
Aroclor 1221	< 2.0		1	µg/L			03/12/2013 8:20 PM	Container-01 of 02
Aroclor 1232	< 1.0		1	µg/L			03/12/2013 8:20 PM	Container-01 of 02
Aroclor 1242	< 1.0		1	µg/L			03/12/2013 8:20 PM	Container-01 of 02
Aroclor 1248	< 1.0		1	µg/L			03/12/2013 8:20 PM	Container-01 of 02
Aroclor 1254	< 1.0		1	µg/L			03/12/2013 8:20 PM	Container-01 of 02
Aroclor 1260	< 1.0		1	µg/L			03/12/2013 8:20 PM	Container-01 of 02
beta-BHC	< 0.050		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
delta-BHC	< 0.050		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Dieldrin	< 0.10		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Endosulfan I	< 0.050		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Endosulfan II	< 0.10		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Endosulfan sulfate	< 0.10		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Endrin	< 0.10		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Endrin aldehyde	< 0.10		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Endrin ketone	< 0.10		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
gamma-BHC	< 0.050		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
gamma-Chlordane	< 0.050		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Heptachlor	< 0.050		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Heptachlor epoxide	< 0.050		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Methoxychlor	< 0.50		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Toxaphene	< 5.0		1	µg/L			03/15/2013 6:26 PM	Container-01 of 02
Surr: Decachlorobiphenyl	68.8		1	%REC	Limit	30-150	03/15/2013 6:26 PM	Container-01 of 02
Surr: Decachlorobiphenyl	74.5		1	%REC	Limit	30-150	03/12/2013 8:20 PM	Container-01 of 02
Surr: Tetrachloro-m-xylene	86.1		1	%REC	Limit	30-150	03/12/2013 8:20 PM	Container-01 of 02
Surr: Tetrachloro-m-xylene	79.1		1	%REC	Limit	30-150	03/15/2013 6:26 PM	Container-01 of 02

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NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman
Collected : 3/4/2013 12:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-001D
Client Sample ID: B1-W

7186-NYNY 321-325 W 35th St. (DISSOLVED)

Sample Information:
Type : Aqueous

Origin:

Analytical Method: E200.7 Prep Method: E200.7 Prep Date: 3/12/2013 3:15:38 PM Analyst: CM

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Aluminum	< 0.20		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Antimony	< 60.0		1	ug/L	03/15/2013 1:56 PM	Container-01 of 01
Arsenic	< 10.0		1	ug/L	03/15/2013 1:56 PM	Container-01 of 01
Barium	< 0.20		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Beryllium	< 5.00		1	ug/L	03/15/2013 1:56 PM	Container-01 of 01
Cadmium	< 5.00		1	ug/L	03/15/2013 1:56 PM	Container-01 of 01
Calcium	317		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Chromium	< 0.01		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Cobalt	< 0.05		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Copper	< 0.02		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Iron	< 0.02		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Lead	5.22		1	ug/L	03/15/2013 1:56 PM	Container-01 of 01
Magnesium	28.6		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Manganese	0.15		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Nickel	< 0.04		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Potassium	9.03		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Selenium	38.0		1	ug/L	03/15/2013 1:56 PM	Container-01 of 01
Silver	< 0.01		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Sodium	42.4		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Thallium	< 10.0		1	ug/L	03/15/2013 1:56 PM	Container-01 of 01
Vanadium	< 0.05		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01
Zinc	< 0.02		1	mg/L	03/15/2013 1:56 PM	Container-01 of 01

Analytical Method: E245.1 Prep Method: E245.1 Prep Date: 3/14/2013 10:00:00 AM Analyst: JG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Mercury	< 0.20		1	ug/L	03/14/2013 2:03 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
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QA Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman
Collected : 3/4/2013 2:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-002A
Client Sample ID: TW-2

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: E200.7 Prep Method: E200.7 Prep Date: 3/12/2013 3:15:38 PM Analyst: CM

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Aluminum	3.72		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Antimony	< 60.0		1	ug/L	03/15/2013 2:00 PM	Container-01 of 01
Arsenic	< 10.0		1	ug/L	03/15/2013 2:00 PM	Container-01 of 01
Barium	< 0.20		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Beryllium	< 5.00		1	ug/L	03/15/2013 2:00 PM	Container-01 of 01
Cadmium	< 5.00		1	ug/L	03/15/2013 2:00 PM	Container-01 of 01
Calcium	55.1		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Chromium	0.01		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Cobalt	< 0.05		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Copper	< 0.02		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Iron	7.81		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Lead	18.2		1	ug/L	03/15/2013 2:00 PM	Container-01 of 01
Magnesium	9.09		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Manganese	0.55		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Nickel	< 0.04		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Potassium	10.1		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Selenium	< 5.00		1	ug/L	03/15/2013 2:00 PM	Container-01 of 01
Silver	< 0.01		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Sodium	34.7		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Thallium	< 10.0		1	ug/L	03/15/2013 2:00 PM	Container-01 of 01
Vanadium	< 0.05		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01
Zinc	0.02		1	mg/L	03/15/2013 2:00 PM	Container-01 of 01

Analytical Method: E245.1 Prep Method: E245.1 Prep Date: 3/14/2013 10:00:00 AM Analyst: JG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Mercury	< 0.2		1	ug/L	03/14/2013 2:05 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
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NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman

Collected : 3/4/2013 2:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-002B
Client Sample ID: TW-2

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8270C Prep Method: 3510 Prep Date: 3/8/2013 2:19:17 PM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1´-Biphenyl	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2,2´-oxybis(1-chloropropane)	< 10	c	1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2,4,5-Trichlorophenol	< 25		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2,4,6-Trichlorophenol	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2,4-Dichlorophenol	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2,4-Dimethylphenol	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2,4-Dinitrophenol	< 25		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2,4-Dinitrotoluene	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2,6-Dinitrotoluene	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2-Chloronaphthalene	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2-Chlorophenol	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2-Methylnaphthalene	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2-Methylphenol	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2-Nitroaniline	< 25	c	1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
2-Nitrophenol	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
3,3´-Dichlorobenzidine	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
3-Nitroaniline	< 25		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
4,6-Dinitro-2-methylphenol	< 25		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
4-Bromophenyl-phenylether	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
4-Chloro-3-methylphenol	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
4-Chloroaniline	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
4-Chlorophenyl-phenylether	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
4-Methylphenol	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
4-Nitroaniline	< 25		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
4-Nitrophenol	< 25		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
Acenaphthene	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
Acenaphthylene	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
Acetophenone	< 10	c	1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
Anthracene	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
Atrazine	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
Benzaldehyde	< 10	c	1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
Benzo(a)anthracene	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
Benzo(a)pyrene	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02
Benzo(b)fluoranthene	< 10		1	µg/L	03/08/2013 8:11 PM	Container-01 of 02

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
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QA Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman

Collected : 3/4/2013 2:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-002B
Client Sample ID: TW-2

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8270C Prep Method: 3510 Prep Date: 3/8/2013 2:19:17 PM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Benzo(g,h,i)perylene	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Benzo(k)fluoranthene	< 10	c	1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Bis(2-chloroethoxy)methane	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Bis(2-chloroethyl)ether	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Bis(2-ethylhexyl)phthalate	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Butyl benzyl phthalate	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Caprolactam	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Carbazole	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Chrysene	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Dibenzo(a,h)anthracene	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Dibenzofuran	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Diethylphthalate	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Dimethylphthalate	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Di-n-butyl phthalate	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Di-n-octyl phthalate	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Fluoranthene	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Fluorene	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Hexachlorobenzene	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Hexachlorobutadiene	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Hexachlorocyclopentadiene	< 10	c	1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Hexachloroethane	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Indeno(1,2,3-cd)pyrene	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Isophorone	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Naphthalene	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Nitrobenzene	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
N-Nitroso-di-n-propylamine	< 10	c	1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
N-Nitrosodiphenylamine	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Pentachlorophenol	< 25		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Phenanthrene	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Phenol	< 10	s	1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Pyrene	< 10		1	µg/L			03/08/2013 8:11 PM	Container-01 of 02
Surr: 1,2-Dichlorobenzene-d4	72.9		1	%REC	Limit	16-110	03/08/2013 8:11 PM	Container-01 of 02
Surr: 2,4,6-Tribromophenol	114		1	%REC	Limit	10-123	03/08/2013 8:11 PM	Container-01 of 02
Surr: 2-Chlorophenol-d4	70.9		1	%REC	Limit	33-110	03/08/2013 8:11 PM	Container-01 of 02

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman
Collected : 3/4/2013 2:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-002B
Client Sample ID: TW-2

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8270C Prep Method: 3510 Prep Date: 3/8/2013 2:19:17 PM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Surr: 2-Fluorobiphenyl	83.2		1	%REC	Limit	43-116	03/08/2013 8:11 PM	Container-01 of 02
Surr: 2-Fluorophenol	39.8		1	%REC	Limit	21-110	03/08/2013 8:11 PM	Container-01 of 02
Surr: 4-Terphenyl-d14	111		1	%REC	Limit	33-141	03/08/2013 8:11 PM	Container-01 of 02
Surr: Nitrobenzene-d5	77.1		1	%REC	Limit	35-114	03/08/2013 8:11 PM	Container-01 of 02
Surr: Phenol-d5	24.7		1	%REC	Limit	10-110	03/08/2013 8:11 PM	Container-01 of 02

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NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman
Collected : 3/4/2013 2:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-002C
Client Sample ID: TW-2

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8081/8082 Prep Method: 3510 Prep Date: 3/8/2013 6:34:43 PM Analyst: KB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
4,4´-DDD	< 0.10		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
4,4´-DDE	< 0.10		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
4,4´-DDT	< 0.10		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Aldrin	< 0.050		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
alpha-BHC	< 0.050		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
alpha-Chlordane	< 0.050		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Aroclor 1016	< 1.0		1	µg/L			03/12/2013 9:10 PM	Container-01 of 02
Aroclor 1221	< 2.0		1	µg/L			03/12/2013 9:10 PM	Container-01 of 02
Aroclor 1232	< 1.0		1	µg/L			03/12/2013 9:10 PM	Container-01 of 02
Aroclor 1242	< 1.0		1	µg/L			03/12/2013 9:10 PM	Container-01 of 02
Aroclor 1248	< 1.0		1	µg/L			03/12/2013 9:10 PM	Container-01 of 02
Aroclor 1254	< 1.0		1	µg/L			03/12/2013 9:10 PM	Container-01 of 02
Aroclor 1260	< 1.0		1	µg/L			03/12/2013 9:10 PM	Container-01 of 02
beta-BHC	< 0.050		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
delta-BHC	< 0.050		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Dieldrin	< 0.10		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Endosulfan I	< 0.050		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Endosulfan II	< 0.10		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Endosulfan sulfate	< 0.10		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Endrin	< 0.10		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Endrin aldehyde	< 0.10		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Endrin ketone	< 0.10		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
gamma-BHC	< 0.050		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
gamma-Chlordane	< 0.050		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Heptachlor	< 0.050		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Heptachlor epoxide	< 0.050		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Methoxychlor	< 0.50		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Toxaphene	< 5.0		1	µg/L			03/15/2013 6:40 PM	Container-01 of 02
Surr: Decachlorobiphenyl	58.9		1	%REC	Limit	30-150	03/15/2013 6:40 PM	Container-01 of 02
Surr: Decachlorobiphenyl	61.3		1	%REC	Limit	30-150	03/12/2013 9:10 PM	Container-01 of 02
Surr: Tetrachloro-m-xylene	84.9		1	%REC	Limit	30-150	03/12/2013 9:10 PM	Container-01 of 02
Surr: Tetrachloro-m-xylene	80.5		1	%REC	Limit	30-150	03/15/2013 6:40 PM	Container-01 of 02

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QA Manager

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NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman
Collected : 3/4/2013 2:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-002D
Client Sample ID: TW-2

7186-NYNY 321-325 W 35th St. (DISSOLVED)

Sample Information:
Type : Aqueous

Origin:

Analytical Method: E200.7 Prep Method: E200.7 Prep Date: 3/12/2013 3:15:38 PM Analyst: CM

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Aluminum	< 0.20		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Antimony	< 60.0		1	ug/L	03/15/2013 2:04 PM	Container-01 of 01
Arsenic	< 10.0		1	ug/L	03/15/2013 2:04 PM	Container-01 of 01
Barium	< 0.20		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Beryllium	< 5.00		1	ug/L	03/15/2013 2:04 PM	Container-01 of 01
Cadmium	< 5.00		1	ug/L	03/15/2013 2:04 PM	Container-01 of 01
Calcium	55.0		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Chromium	< 0.01		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Cobalt	< 0.05		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Copper	< 0.02		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Iron	0.05		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Lead	5.41		1	ug/L	03/15/2013 2:04 PM	Container-01 of 01
Magnesium	7.62		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Manganese	0.05		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Nickel	< 0.04		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Potassium	9.21		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Selenium	< 5.00		1	ug/L	03/15/2013 2:04 PM	Container-01 of 01
Silver	< 0.01		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Sodium	36.5		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Thallium	< 10.0		1	ug/L	03/15/2013 2:04 PM	Container-01 of 01
Vanadium	< 0.05		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01
Zinc	< 0.02		1	mg/L	03/15/2013 2:04 PM	Container-01 of 01

Analytical Method: E245.1 Prep Method: E245.1 Prep Date: 3/14/2013 10:00:00 AM Analyst: JG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Mercury	< 0.20		1	ug/L	03/14/2013 2:06 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
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QA Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman
Collected : 3/4/2013 1:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-003A
Client Sample ID: TW-1

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: E200.7 Prep Method: E200.7 Prep Date: 3/12/2013 3:15:38 PM Analyst: CM

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Aluminum	8.00		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Antimony	< 60.0		1	ug/L	03/15/2013 2:08 PM	Container-01 of 01
Arsenic	< 10.0		1	ug/L	03/15/2013 2:08 PM	Container-01 of 01
Barium	0.28		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Beryllium	< 5.00		1	ug/L	03/15/2013 2:08 PM	Container-01 of 01
Cadmium	< 5.00		1	ug/L	03/15/2013 2:08 PM	Container-01 of 01
Calcium	135		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Chromium	0.02		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Cobalt	< 0.05		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Copper	< 0.02		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Iron	10.4		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Lead	48.4		1	ug/L	03/15/2013 2:08 PM	Container-01 of 01
Magnesium	36.8		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Manganese	1.32		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Nickel	< 0.04		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Potassium	13.4		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Selenium	< 5.00		1	ug/L	03/15/2013 2:08 PM	Container-01 of 01
Silver	< 0.01		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Sodium	228		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Thallium	< 10.0		1	ug/L	03/15/2013 2:08 PM	Container-01 of 01
Vanadium	< 0.05		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01
Zinc	0.05		1	mg/L	03/15/2013 2:08 PM	Container-01 of 01

Analytical Method: E245.1 Prep Method: E245.1 Prep Date: 3/14/2013 10:00:00 AM Analyst: JG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Mercury	< 0.2		1	ug/L	03/14/2013 2:08 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
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NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman

Collected : 3/4/2013 1:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-003B
Client Sample ID: TW-1

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8270C Prep Method: 3510 Prep Date: 3/8/2013 2:19:17 PM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
1,1´-Biphenyl	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2,2´-oxybis(1-chloropropane)	< 20	c	1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2,4,5-Trichlorophenol	< 50		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2,4-Dichlorophenol	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2,4-Dimethylphenol	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2,4-Dinitrophenol	< 50		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2,4-Dinitrotoluene	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2,6-Dinitrotoluene	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2-Chloronaphthalene	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2-Chlorophenol	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2-Methylnaphthalene	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2-Methylphenol	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2-Nitroaniline	< 50	c	1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
2-Nitrophenol	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
3,3´-Dichlorobenzidine	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
3-Nitroaniline	< 50		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 50		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
4-Bromophenyl-phenylether	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
4-Chloroaniline	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
4-Chlorophenyl-phenylether	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
4-Methylphenol	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
4-Nitroaniline	< 50		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
4-Nitrophenol	< 50		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
Acenaphthene	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
Acenaphthylene	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
Acetophenone	< 20	c	1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
Anthracene	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
Atrazine	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
Benzaldehyde	< 20	c	1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
Benzo(a)anthracene	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
Benzo(a)pyrene	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01
Benzo(b)fluoranthene	< 20		1	µg/L	03/08/2013 8:41 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
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H = Received/analyzed outside of analytical holding time
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QA Manager

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Date Reported : 3/21/2013

ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman
Collected : 3/4/2013 1:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-003B
Client Sample ID: TW-1

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8270C Prep Method: 3510 Prep Date: 3/8/2013 2:19:17 PM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Benzo(g,h,i)perylene	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Benzo(k)fluoranthene	< 20	c	1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Bis(2-chloroethoxy)methane	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Bis(2-chloroethyl)ether	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Bis(2-ethylhexyl)phthalate	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Butyl benzyl phthalate	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Caprolactam	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Carbazole	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Chrysene	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Dibenzo(a,h)anthracene	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Dibenzofuran	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Diethylphthalate	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Dimethylphthalate	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Di-n-butyl phthalate	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Di-n-octyl phthalate	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Fluoranthene	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Fluorene	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Hexachlorobenzene	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Hexachlorobutadiene	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Hexachlorocyclopentadiene	< 20	c	1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Hexachloroethane	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Indeno(1,2,3-cd)pyrene	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Isophorone	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Naphthalene	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Nitrobenzene	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
N-Nitroso-di-n-propylamine	< 20	c	1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
N-Nitrosodiphenylamine	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Pentachlorophenol	< 50		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Phenanthrene	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Phenol	< 20	s	1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Pyrene	< 20		1	µg/L			03/08/2013 8:41 PM	Container-01 of 01
Surr: 1,2-Dichlorobenzene-d4	67.2		1	%REC	Limit	16-110	03/08/2013 8:41 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	123		1	%REC	Limit	10-123	03/08/2013 8:41 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	72.9		1	%REC	Limit	33-110	03/08/2013 8:41 PM	Container-01 of 01

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QA Manager

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ECOTEST LABORATORIES
A division of H2M Labs, Inc.

575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman
Collected : 3/4/2013 1:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-003B
Client Sample ID: TW-1

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8270C Prep Method: 3510 Prep Date: 3/8/2013 2:19:17 PM Analyst: SH

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
Surr: 2-Fluorobiphenyl	67.1		1	%REC	Limit	43-116	03/08/2013 8:41 PM	Container-01 of 01
Surr: 2-Fluorophenol	59.5		1	%REC	Limit	21-110	03/08/2013 8:41 PM	Container-01 of 01
Surr: 4-Terphenyl-d14	124		1	%REC	Limit	33-141	03/08/2013 8:41 PM	Container-01 of 01
Surr: Nitrobenzene-d5	62.9		1	%REC	Limit	35-114	03/08/2013 8:41 PM	Container-01 of 01
Surr: Phenol-d5	54.3		1	%REC	Limit	10-110	03/08/2013 8:41 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
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+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
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NYSDOH ID#10478

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman

Collected : 3/4/2013 1:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-003C
Client Sample ID: TW-1

7186-NYNY 321-325 W 35th St.

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8081/8082 Prep Method: 3510 Prep Date: 3/8/2013 6:34:43 PM Analyst: KB

Parameter(s)	Results	Qualifier	D.F.	Units			Analyzed:	Container:
4,4´-DDD	< 0.10		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
4,4´-DDE	< 0.10		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
4,4´-DDT	< 0.10		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Aldrin	< 0.050		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
alpha-BHC	< 0.050		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
alpha-Chlordane	< 0.050		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Aroclor 1016	< 1.0		1	µg/L			03/12/2013 8:36 PM	Container-01 of 01
Aroclor 1221	< 2.0		1	µg/L			03/12/2013 8:36 PM	Container-01 of 01
Aroclor 1232	< 1.0		1	µg/L			03/12/2013 8:36 PM	Container-01 of 01
Aroclor 1242	< 1.0		1	µg/L			03/12/2013 8:36 PM	Container-01 of 01
Aroclor 1248	< 1.0		1	µg/L			03/12/2013 8:36 PM	Container-01 of 01
Aroclor 1254	< 1.0		1	µg/L			03/12/2013 8:36 PM	Container-01 of 01
Aroclor 1260	< 1.0		1	µg/L			03/12/2013 8:36 PM	Container-01 of 01
beta-BHC	< 0.050		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
delta-BHC	< 0.050		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Dieldrin	< 0.10		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Endosulfan I	< 0.050		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Endosulfan II	< 0.10		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Endosulfan sulfate	< 0.10		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Endrin	< 0.10		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Endrin aldehyde	< 0.10		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Endrin ketone	< 0.10		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
gamma-BHC	< 0.050		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
gamma-Chlordane	< 0.050		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Heptachlor	< 0.050		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Heptachlor epoxide	< 0.050		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Methoxychlor	< 0.50		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Toxaphene	< 5.0		1	µg/L			03/15/2013 6:55 PM	Container-01 of 01
Surr: Decachlorobiphenyl	46.4		1	%REC	Limit	30-150	03/15/2013 6:55 PM	Container-01 of 01
Surr: Decachlorobiphenyl	54.0		1	%REC	Limit	30-150	03/12/2013 8:36 PM	Container-01 of 01
Surr: Tetrachloro-m-xylene	75.9		1	%REC	Limit	30-150	03/12/2013 8:36 PM	Container-01 of 01
Surr: Tetrachloro-m-xylene	61.8		1	%REC	Limit	30-150	03/15/2013 6:55 PM	Container-01 of 01

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QA Manager

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TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

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Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801

Attn To : Karen Friedman
Collected : 3/4/2013 1:00:00 PM
Received : 3/7/2013 11:10:00 AM
Collected By : CLIENT

Lab No. : 1303371-003D
Client Sample ID: TW-1

7186-NYNY 321-325 W 35th St. (DISSOLVED)

Sample Information:
Type : Aqueous

Origin:

Analytical Method: E200.7 Prep Method: E200.7 Prep Date: 3/12/2013 3:15:38 PM Analyst: CM

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Aluminum	< 0.20		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Antimony	< 60.0		1	ug/L	03/15/2013 2:12 PM	Container-01 of 01
Arsenic	< 10.0		1	ug/L	03/15/2013 2:12 PM	Container-01 of 01
Barium	< 0.20		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Beryllium	< 5.00		1	ug/L	03/15/2013 2:12 PM	Container-01 of 01
Cadmium	< 5.00		1	ug/L	03/15/2013 2:12 PM	Container-01 of 01
Calcium	129		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Chromium	< 0.01		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Cobalt	< 0.05		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Copper	< 0.02		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Iron	< 0.02		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Lead	9.72		1	ug/L	03/15/2013 2:12 PM	Container-01 of 01
Magnesium	32.9		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Manganese	0.40		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Nickel	< 0.04		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Potassium	10.6		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Selenium	< 5.00		1	ug/L	03/15/2013 2:12 PM	Container-01 of 01
Silver	< 0.01		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Sodium	224		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Thallium	< 10.0		1	ug/L	03/15/2013 2:12 PM	Container-01 of 01
Vanadium	< 0.05		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01
Zinc	0.03		1	mg/L	03/15/2013 2:12 PM	Container-01 of 01

Analytical Method: E245.1 Prep Method: E245.1 Prep Date: 3/14/2013 10:00:00 AM Analyst: JG

Parameter(s)	Results	Qualifier	D.F.	Units	Analyzed:	Container:
Mercury	< 0.20		1	ug/L	03/14/2013 2:14 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range
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QA Manager

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Date Reported : 3/21/2013

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name: **ACT-ECO**

Date and Time Received: **3/7/2013 11:10:00 AM**

Work Order Number: **1303371** RcptNo: **1**

Received by: **LindsayPacelli**

Completed by: Lindsay Pacelli

Reviewed by: Jennifer Cr

Completed Date: 3/7/2013 4:04:18 PM

Reviewed Date: 3/12/2013 2:24:52 PM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☐	No ☐	NA	☑
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☐	NA	☑
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	5.8 º
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

H 2 M labs
575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801
Attn To : Paul Stewart

Lab No. : 1303139-001
Client Sample ID: SV-1

Sample Information...
Type : Air
Origin:

Collected : 3/1/2013 4:29:00 PM
Received : 3/4/2013 9:30:00 AM

Method: ETO-15

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	03/10/2013 12:14 AM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	03/10/2013 12:14 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.10	ppbv		1	< 0.77	µg/m³	03/10/2013 12:14 AM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	03/10/2013 12:14 AM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	03/10/2013 12:14 AM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	03/10/2013 12:14 AM
1,2,4-Trichlorobenzene	0.20	ppbv		1	1.48	µg/m³	03/10/2013 12:14 AM
1,2,4-Trimethylbenzene	0.71	ppbv		1	3.49	µg/m³	03/10/2013 12:14 AM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	03/10/2013 12:14 AM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	03/10/2013 12:14 AM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	03/10/2013 12:14 AM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	03/10/2013 12:14 AM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	03/10/2013 12:14 AM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	03/10/2013 12:14 AM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	03/10/2013 12:14 AM
1,3,5-Trimethylbenzene	0.27	ppbv		1	1.33	µg/m³	03/10/2013 12:14 AM
1,3-Butadiene	< 0.20	ppbv		1	< 0.44	µg/m³	03/10/2013 12:14 AM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	03/10/2013 12:14 AM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	03/10/2013 12:14 AM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	03/10/2013 12:14 AM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	03/10/2013 12:14 AM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	03/10/2013 12:14 AM
1,4-Dioxane	< 0.20	ppbv		1	< 0.72	µg/m³	03/10/2013 12:14 AM
2,2,4-Trimethylpentane	34.9	ppbv		1	163	µg/m³	03/10/2013 12:14 AM
4-Ethyltoluene	0.30	ppbv		1	1.47	µg/m³	03/10/2013 12:14 AM
Acetone	16.1	ppbv		1	38.2	µg/m³	03/10/2013 12:14 AM
Benzene	0.59	ppbv		1	1.88	µg/m³	03/10/2013 12:14 AM
Bromodichloromethane	< 0.20	ppbv		1	< 1.34	µg/m³	03/10/2013 12:14 AM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	03/10/2013 12:14 AM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	03/10/2013 12:14 AM
Carbon disulfide	1.50	ppbv		1	4.67	µg/m³	03/10/2013 12:14 AM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	03/10/2013 12:14 AM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	03/10/2013 12:14 AM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	03/10/2013 12:14 AM
Chloroform	2.09	ppbv		1	10.2	µg/m³	03/10/2013 12:14 AM
Chloromethane	< 0.20	ppbv		1	< 0.41	µg/m³	03/10/2013 12:14 AM
Cyclohexane	14.8	ppbv		1	51.0	µg/m³	03/10/2013 12:14 AM

Qualifiers: E = Value above quantitation range
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D.F. = Dilution Factor D = Results for Dilution
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r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Date Reported : 3/12/2013

H 2 M labs
575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801
Attn To : Paul Stewart

Lab No. : 1303139-001
Client Sample ID: SV-1

Sample Information...
Type : Air
Origin:

Collected : 3/1/2013 4:29:00 PM
Received : 3/4/2013 9:30:00 AM

Method: ETO-15

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	03/10/2013 12:14 AM
Dichlorodifluoromethane	0.38	ppbv		1	1.88	µg/m³	03/10/2013 12:14 AM
Ethanol	2.27	ppbv	s	1	4.28	µg/m³	03/10/2013 12:14 AM
Ethyl acetate	< 0.20	ppbv		1	< 0.72	µg/m³	03/10/2013 12:14 AM
Ethylbenzene	0.99	ppbv		1	4.30	µg/m³	03/10/2013 12:14 AM
Isopropanol	0.64	ppbv		1	1.57	µg/m³	03/10/2013 12:14 AM
Methyl butyl ketone	< 0.20	ppbv		1	< 0.82	µg/m³	03/10/2013 12:14 AM
Methyl ethyl ketone	3.72	ppbv		1	11.0	µg/m³	03/10/2013 12:14 AM
Methyl isobutyl ketone	< 0.20	ppbv		1	< 0.82	µg/m³	03/10/2013 12:14 AM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	03/10/2013 12:14 AM
Methylene chloride	0.43	ppbv		1	1.67	µg/m³	03/10/2013 12:14 AM
n-Heptane	31.9	ppbv		1	131	µg/m³	03/10/2013 12:14 AM
n-Hexane	42.6	ppbv	D	5	150	µg/m³	03/10/2013 4:39 PM
Propylene	0.59	ppbv	c	1	1.02	µg/m³	03/10/2013 12:14 AM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	03/10/2013 12:14 AM
tert-Butyl Alcohol	< 0.20	ppbv		1	< 0.61	µg/m³	03/10/2013 12:14 AM
Tetrachloroethene	1.20	ppbv		1	8.14	µg/m³	03/10/2013 12:14 AM
Tetrahydrofuran	0.79	ppbv	+	1	2.33	µg/m³	03/10/2013 12:14 AM
Toluene	4.78	ppbv		1	18.0	µg/m³	03/10/2013 12:14 AM
Trichloroethene	< 0.20	ppbv		1	< 1.07	µg/m³	03/10/2013 12:14 AM
Trichlorofluoromethane	0.21	ppbv		1	1.18	µg/m³	03/10/2013 12:14 AM
Vinyl acetate	93.7	ppbv	D	5	330	µg/m³	03/10/2013 4:39 PM
Vinyl bromide	< 0.20	ppbv		1	< 0.87	µg/m³	03/10/2013 12:14 AM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	03/10/2013 12:14 AM
Xylenes (m&p)	2.27	ppbv		1	9.86	µg/m³	03/10/2013 12:14 AM
Xylenes (o)	0.77	ppbv		1	3.34	µg/m³	03/10/2013 12:14 AM
Surr: 4-Bromofluorobenzene	98.1	%REC	Limit	70-130	No M.W. Data		03/10/2013 12:14 AM

Qualifiers:
E = Value above quantitation range
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s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Date Reported : 3/12/2013

H 2 M labs
575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801
Attn To : Paul Stewart

Lab No. : 1303139-002
Client Sample ID: SV-2

Sample Information...
Type : Air
Origin:

Collected : 3/1/2013 4:41:00 PM
Received : 3/4/2013 9:30:00 AM

Method: ETO-15

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	03/10/2013 12:56 AM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	03/10/2013 12:56 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.10	ppbv		1	< 0.77	µg/m³	03/10/2013 12:56 AM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	03/10/2013 12:56 AM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	03/10/2013 12:56 AM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	03/10/2013 12:56 AM
1,2,4-Trichlorobenzene	0.20	ppbv		1	1.48	µg/m³	03/10/2013 12:56 AM
1,2,4-Trimethylbenzene	1.01	ppbv		1	4.97	µg/m³	03/10/2013 12:56 AM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	03/10/2013 12:56 AM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	03/10/2013 12:56 AM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	03/10/2013 12:56 AM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	03/10/2013 12:56 AM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	03/10/2013 12:56 AM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	03/10/2013 12:56 AM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	03/10/2013 12:56 AM
1,3,5-Trimethylbenzene	0.33	ppbv		1	1.62	µg/m³	03/10/2013 12:56 AM
1,3-Butadiene	< 0.20	ppbv		1	< 0.44	µg/m³	03/10/2013 12:56 AM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	03/10/2013 12:56 AM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	03/10/2013 12:56 AM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	03/10/2013 12:56 AM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	03/10/2013 12:56 AM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	03/10/2013 12:56 AM
1,4-Dioxane	< 0.20	ppbv		1	< 0.72	µg/m³	03/10/2013 12:56 AM
2,2,4-Trimethylpentane	< 0.20	ppbv		1	< 0.93	µg/m³	03/10/2013 12:56 AM
4-Ethyltoluene	0.35	ppbv		1	1.72	µg/m³	03/10/2013 12:56 AM
Acetone	1.75	ppbv		1	4.16	µg/m³	03/10/2013 12:56 AM
Benzene	0.61	ppbv		1	1.95	µg/m³	03/10/2013 12:56 AM
Bromodichloromethane	0.24	ppbv		1	1.61	µg/m³	03/10/2013 12:56 AM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	03/10/2013 12:56 AM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	03/10/2013 12:56 AM
Carbon disulfide	< 0.20	ppbv		1	< 0.62	µg/m³	03/10/2013 12:56 AM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	03/10/2013 12:56 AM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	03/10/2013 12:56 AM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	03/10/2013 12:56 AM
Chloroform	13.5	ppbv		1	65.8	µg/m³	03/10/2013 12:56 AM
Chloromethane	< 0.20	ppbv		1	< 0.41	µg/m³	03/10/2013 12:56 AM
Cyclohexane	< 0.20	ppbv		1	< 0.69	µg/m³	03/10/2013 12:56 AM

Qualifiers: E = Value above quantitation range
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N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Date Reported : 3/12/2013

H2M labs
575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801
Attn To : Paul Stewart

Lab No. : 1303139-002
Client Sample ID: SV-2

Sample Information...
Type : Air
Origin:

Collected : 3/1/2013 4:41:00 PM
Received : 3/4/2013 9:30:00 AM

Method: ETO-15

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	03/10/2013 12:56 AM
Dichlorodifluoromethane	0.27	ppbv		1	1.34	µg/m³	03/10/2013 12:56 AM
Ethanol	2.58	ppbv	s	1	4.86	µg/m³	03/10/2013 12:56 AM
Ethyl acetate	< 0.20	ppbv		1	< 0.72	µg/m³	03/10/2013 12:56 AM
Ethylbenzene	0.98	ppbv		1	4.26	µg/m³	03/10/2013 12:56 AM
Isopropanol	< 0.20	ppbv		1	< 0.49	µg/m³	03/10/2013 12:56 AM
Methyl butyl ketone	< 0.20	ppbv	c	1	< 0.82	µg/m³	03/10/2013 12:56 AM
Methyl ethyl ketone	0.71	ppbv		1	2.09	µg/m³	03/10/2013 12:56 AM
Methyl isobutyl ketone	< 0.20	ppbv		1	< 0.82	µg/m³	03/10/2013 12:56 AM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	03/10/2013 12:56 AM
Methylene chloride	0.44	ppbv		1	1.71	µg/m³	03/10/2013 12:56 AM
n-Heptane	0.88	ppbv		1	3.61	µg/m³	03/10/2013 12:56 AM
n-Hexane	0.70	ppbv		1	2.47	µg/m³	03/10/2013 12:56 AM
Propylene	0.58	ppbv	c	1	1.00	µg/m³	03/10/2013 12:56 AM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	03/10/2013 12:56 AM
tert-Butyl Alcohol	0.55	ppbv		1	1.67	µg/m³	03/10/2013 12:56 AM
Tetrachloroethene	1.05	ppbv		1	7.12	µg/m³	03/10/2013 12:56 AM
Tetrahydrofuran	0.97	ppbv	+	1	2.86	µg/m³	03/10/2013 12:56 AM
Toluene	6.66	ppbv		1	25.1	µg/m³	03/10/2013 12:56 AM
Trichloroethene	0.37	ppbv		1	1.99	µg/m³	03/10/2013 12:56 AM
Trichlorofluoromethane	0.20	ppbv		1	1.12	µg/m³	03/10/2013 12:56 AM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	03/10/2013 12:56 AM
Vinyl bromide	< 0.20	ppbv		1	< 0.87	µg/m³	03/10/2013 12:56 AM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	03/10/2013 12:56 AM
Xylenes (m&p)	2.37	ppbv		1	10.3	µg/m³	03/10/2013 12:56 AM
Xylenes (o)	0.78	ppbv		1	3.39	µg/m³	03/10/2013 12:56 AM
Surr: 4-Bromofluorobenzene	91.5	%REC	Limit	70-130	No M.W. Data		03/10/2013 12:56 AM

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s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Date Reported : 3/12/2013

H 2 M labs
575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801
Attn To : Paul Stewart

Lab No. : 1303139-003
Client Sample ID: SV-3

Sample Information...
Type : Air
Origin:

Collected : 3/1/2013 5:06:00 PM
Received : 3/4/2013 9:30:00 AM

Method: ETO-15

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
1,1,1-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	03/10/2013 1:38 AM
1,1,2,2-Tetrachloroethane	< 0.20	ppbv		1	< 1.37	µg/m³	03/10/2013 1:38 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.10	ppbv		1	< 0.77	µg/m³	03/10/2013 1:38 AM
1,1,2-Trichloroethane	< 0.20	ppbv		1	< 1.09	µg/m³	03/10/2013 1:38 AM
1,1-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	03/10/2013 1:38 AM
1,1-Dichloroethene	< 0.20	ppbv		1	< 0.79	µg/m³	03/10/2013 1:38 AM
1,2,4-Trichlorobenzene	0.23	ppbv		1	1.71	µg/m³	03/10/2013 1:38 AM
1,2,4-Trimethylbenzene	0.47	ppbv		1	2.31	µg/m³	03/10/2013 1:38 AM
1,2-Dibromoethane	< 0.20	ppbv		1	< 1.54	µg/m³	03/10/2013 1:38 AM
1,2-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	03/10/2013 1:38 AM
1,2-Dichloroethane	< 0.20	ppbv		1	< 0.81	µg/m³	03/10/2013 1:38 AM
1,2-Dichloroethene (cis)	< 0.20	ppbv		1	< 0.79	µg/m³	03/10/2013 1:38 AM
1,2-Dichloroethene (trans)	< 0.20	ppbv		1	< 0.79	µg/m³	03/10/2013 1:38 AM
1,2-Dichloropropane	< 0.20	ppbv		1	< 0.92	µg/m³	03/10/2013 1:38 AM
1,2-Dichlorotetrafluoroethane	< 0.20	ppbv		1	< 1.40	µg/m³	03/10/2013 1:38 AM
1,3,5-Trimethylbenzene	< 0.20	ppbv		1	< 0.98	µg/m³	03/10/2013 1:38 AM
1,3-Butadiene	< 0.20	ppbv		1	< 0.44	µg/m³	03/10/2013 1:38 AM
1,3-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	03/10/2013 1:38 AM
1,3-Dichloropropene (cis)	< 0.20	ppbv		1	< 0.91	µg/m³	03/10/2013 1:38 AM
1,3-Dichloropropene (trans)	< 0.20	ppbv		1	< 0.91	µg/m³	03/10/2013 1:38 AM
1,3-Hexachlorobutadiene	< 0.20	ppbv		1	< 2.13	µg/m³	03/10/2013 1:38 AM
1,4-Dichlorobenzene	< 0.20	ppbv		1	< 1.20	µg/m³	03/10/2013 1:38 AM
1,4-Dioxane	< 0.20	ppbv		1	< 0.72	µg/m³	03/10/2013 1:38 AM
2,2,4-Trimethylpentane	< 0.20	ppbv		1	< 0.93	µg/m³	03/10/2013 1:38 AM
4-Ethyltoluene	0.20	ppbv		1	0.98	µg/m³	03/10/2013 1:38 AM
Acetone	1.61	ppbv		1	3.82	µg/m³	03/10/2013 1:38 AM
Benzene	0.51	ppbv		1	1.63	µg/m³	03/10/2013 1:38 AM
Bromodichloromethane	1.52	ppbv		1	10.2	µg/m³	03/10/2013 1:38 AM
Bromoform	< 0.20	ppbv		1	< 2.07	µg/m³	03/10/2013 1:38 AM
Bromomethane	< 0.20	ppbv		1	< 0.78	µg/m³	03/10/2013 1:38 AM
Carbon disulfide	0.39	ppbv		1	1.21	µg/m³	03/10/2013 1:38 AM
Carbon tetrachloride	< 0.20	ppbv		1	< 1.26	µg/m³	03/10/2013 1:38 AM
Chlorobenzene	< 0.20	ppbv		1	< 0.92	µg/m³	03/10/2013 1:38 AM
Chloroethane	< 0.20	ppbv		1	< 0.53	µg/m³	03/10/2013 1:38 AM
Chloroform	105	ppbv	D	4	511	µg/m³	03/10/2013 3:14 PM
Chloromethane	< 0.20	ppbv		1	< 0.41	µg/m³	03/10/2013 1:38 AM
Cyclohexane	< 0.20	ppbv		1	< 0.69	µg/m³	03/10/2013 1:38 AM

Qualifiers: E = Value above quantitation range
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s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Date Reported : 3/12/2013

H2M labs
575 Broad Hollow Rd. , Melville, NY
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478

LABORATORY RESULTS

Results for the samples and analytes requested

Advanced Cleanup Technologies
960 South Broadway, Suite 100
Hicksville, New York 11801
Attn To : Paul Stewart

Lab No. : 1303139-003
Client Sample ID: SV-3

Sample Information...
Type : Air
Origin:

Collected : 3/1/2013 5:06:00 PM
Received : 3/4/2013 9:30:00 AM

Method: ETO-15

Parameter(s)	Result	Units	Qualifier	D.F.	Result	Units	Date Analyzed
Dibromochloromethane	< 0.20	ppbv		1	< 1.70	µg/m³	03/10/2013 1:38 AM
Dichlorodifluoromethane	0.33	ppbv		1	1.63	µg/m³	03/10/2013 1:38 AM
Ethanol	1.44	ppbv	s	1	2.71	µg/m³	03/10/2013 1:38 AM
Ethyl acetate	< 0.20	ppbv		1	< 0.72	µg/m³	03/10/2013 1:38 AM
Ethylbenzene	0.86	ppbv		1	3.74	µg/m³	03/10/2013 1:38 AM
Isopropanol	< 0.20	ppbv		1	< 0.49	µg/m³	03/10/2013 1:38 AM
Methyl butyl ketone	< 0.20	ppbv	c	1	< 0.82	µg/m³	03/10/2013 1:38 AM
Methyl ethyl ketone	0.42	ppbv		1	1.24	µg/m³	03/10/2013 1:38 AM
Methyl isobutyl ketone	< 0.20	ppbv		1	< 0.82	µg/m³	03/10/2013 1:38 AM
Methyl tert-butyl ether	< 0.20	ppbv		1	< 0.72	µg/m³	03/10/2013 1:38 AM
Methylene chloride	0.75	ppbv		1	2.91	µg/m³	03/10/2013 1:38 AM
n-Heptane	0.55	ppbv		1	2.25	µg/m³	03/10/2013 1:38 AM
n-Hexane	0.43	ppbv		1	1.52	µg/m³	03/10/2013 1:38 AM
Propylene	0.65	ppbv	c	1	1.12	µg/m³	03/10/2013 1:38 AM
Styrene	< 0.20	ppbv		1	< 0.85	µg/m³	03/10/2013 1:38 AM
tert-Butyl Alcohol	< 0.20	ppbv		1	< 0.61	µg/m³	03/10/2013 1:38 AM
Tetrachloroethene	2.41	ppbv		1	16.3	µg/m³	03/10/2013 1:38 AM
Tetrahydrofuran	0.43	ppbv	+	1	1.27	µg/m³	03/10/2013 1:38 AM
Toluene	5.13	ppbv		1	19.3	µg/m³	03/10/2013 1:38 AM
Trichloroethene	0.39	ppbv		1	2.10	µg/m³	03/10/2013 1:38 AM
Trichlorofluoromethane	0.20	ppbv		1	1.12	µg/m³	03/10/2013 1:38 AM
Vinyl acetate	< 0.20	ppbv		1	< 0.70	µg/m³	03/10/2013 1:38 AM
Vinyl bromide	< 0.20	ppbv		1	< 0.87	µg/m³	03/10/2013 1:38 AM
Vinyl chloride	< 0.20	ppbv		1	< 0.51	µg/m³	03/10/2013 1:38 AM
Xylenes (m&p)	1.95	ppbv		1	8.47	µg/m³	03/10/2013 1:38 AM
Xylenes (o)	0.63	ppbv		1	2.74	µg/m³	03/10/2013 1:38 AM
Surr: 4-Bromofluorobenzene	89.8	%REC	Limit	70-130	No M.W. Data		03/10/2013 1:38 AM

Qualifiers: E = Value above quantitation range
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = ELAP / NELAC does not offer certification for this analyte
c = Calibration acceptability criteria exceeded for this analyte
r = Reporting limit below calibration range
J = Estimated value - below calibration range
s = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Joann M. Slavin
Laboratory Manager

Date Reported : 3/12/2013

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **ACT-ECO**

Date and Time Received: **3/4/2013 9:30:00 AM**

Work Order Number: **1303139** RcptNo: **1**

Received by: **Beth Vogel**

Completed by:

Reviewed by:

Completed Date: 3/5/2013 1:24:52 PM

Reviewed Date: 3/6/2013 4:42:27 PM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☐	No ☐	NA	☑
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☐	NA	☑
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☐	No ☑	To	°
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☐	No Vials	☑
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☑ No Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction: