CROTONA TERRACE

1825 BOSTON ROAD

BRONX, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 14CVCP187X

OER Project Number: 14RHAN150X

Prepared for:

Joy Construction Corporation

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Project 13BR171

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TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

Appendix I - Architectural Drawings

Appendix II - Previous Environmental Reports

Appendix III - Soil Boring Logs

Appendix IV - Groundwater Sampling and Well Purging Logs

Appendix V - Soil Vapor Sampling Logs

Appendix VI - Laboratory Data Deliverables

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AKRF	AKRF, Inc.
Brinkerhoff	Brinkerhoff Environmental Services, Inc.
bsg	Below surface grade
ESA	Environmental Site Assessment
ESI	Ecosystems Strategies, Inc.
Equity	Equity Environmental Engineering, LLC
HAZWOPER	Hazardous Waste Operations and Emergency Response
mg/kg	Milligrams per kilogram
MTBE	Methyl tert-butyl ether
NYC OER	New York City Office of Environmental Remediation
NYCRR	New York Codes, Rules and Regulations
NYC VCP	New York City Voluntary Cleanup Program
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
NYSGWS	New York State 6NYCRR Part 703.5 Class GA groundwater standards
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated biphenyls
PCE	Tetrachloroethylene
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RCNY	Rules of the City of New York
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
SCO	Soil Cleanup Objective
sf	Square feet

Acronym	Definition
SoBRO	South Bronx Overall Economic Development Corporation
SVOCs	Semi-volatile organic compounds
TCE	Trichloroethylene
TWPs	Temporary well points
ug/m3	Micrograms per cubic meter
UST	Underground Storage Tank
VOCs	Volatile organic compounds

CERTIFICATION

I, Douglas Harm, 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 Crotona Terrace site (NYCVCP Site No. , 14CVCP187X and OER Project Number 14RHAN150X). 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.

Douglas Harm	11/14/13	
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 1825 Boston Road in the Crotona Park East section of the Bronx, New York, and is identified as the northern portion of Block 2984, Lot 46 on the New York City Tax Map. Figure 1 shows the site location. Figure 2 shows the lot and block and the boundary of the remedial investigation ("the site"). The site lot is approximately 48,359 square feet. The site itself is approximately 26,000 square feet (sf) and is bounded by the Crotona Parkway to the west, East 176th Street to the north, Boston Road to the east, and vacant land and East 175th Street to the south. A map of the site boundary is shown in Figure 3. Currently, the site is vacant and undeveloped.

Summary of Proposed Redevelopment Plan

The proposed future use of the site will consist of an eight (8)-story mixed commercial and residential building. The building will occupy the northern portion of the site, and above grade parking is proposed at the western portion of the site. The proposed redevelopment plan has been changed since the Remedial Investigation Workplan (RIWP) dated September 2010, and no cellar or below grade parking is proposed. Average excavation depths for commercial space and the footing will be four (4) feet below surface grade (bsg), and excavation depths for the elevator pit will range from six (6) to eight (8) feet bsg. The current zoning designation is R7-1 with a C2-4 commercial overlay. The proposed use is consistent with existing zoning for the property.

The ground floor of the building will consist of commercial space, a recreational area, and utility rooms. The 2nd to 8th floors will include a total of 80 residential units, ranging from zero (0) bedrooms to two (2) bedrooms. When completed, the site will have approximately:

- 76,477 sf of residential development
- 15,292 sf of commercial/retail floor area on the ground floor
- 20 at-grade parking spaces (approximately 5,510 square feet)

Layouts of the proposed site development are presented in Appendix I. The current zoning designation is R7-1. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern (AOCs)

A Phase I Environmental Site Assessment (ESA) performed by AKRF, Inc. (AKRF) in 2005 indicates that the project site was developed sometime between 1886 and 1901 and operated as a transit rail car and bus maintenance and repair facility until approximately 1989.

The AOCs identified for this site include:

- A 10,000-gallon fuel oil underground storage tank (UST) and two 5,000-gallon diesel USTs were identified at the site in the early 1990s. Free product was discovered at the site and was reduced to non-detectable levels according to remedial investigations conducted from 1996 to 1998. Later, a geophysical investigation and a test pit program suggested that tanks were removed. However, no documentation related to the geophysical investigation is available for review.
- Petroleum products and solvents were historically used at the site, which have the potential to have affected the site.
- There is the possible existence of historic fill.
- Debris and trash were observed throughout the site.
- Historic usage of adjacent properties has the potential to adversely affect the groundwater quality at the site. However, a Phase II investigation by AKRF in 2003 at the south adjacent property which included the collection of groundwater samples along East 175th Street, upgradient of the site, revealed that petroleum product in groundwater was below the most stringent regulatory standards. The related documentation was not available for review.

Summary of the Work Performed under the Remedial Investigation

The following scope of work was performed as part of the RI:

1. Conducted a site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.).
2. As part of Ecosystems Strategies, Inc. (ESI)'s investigation in 2011, six (6) soil borings, one (1) groundwater monitoring well, two (2) temporary well points, and three (3) soil vapor probes were installed at the site. Twelve (12) soil samples, three (3) groundwater

samples, and three (3) soil vapor samples were collected for laboratory analysis.

3. As part of Brinkerhoff Environmental, Inc. (Brinkerhoff)'s investigation, four (4) soil borings were installed and eight (8) soil samples collected for chemical analysis from the soil borings to evaluate soil quality.
4. Installed two (2) temporary well points and groundwater samples were collected for chemical analysis to evaluate groundwater quality. A groundwater sample was also collected from an existing monitoring well.
5. Installed three (3) soil vapor probes around site perimeter and collected three (3) samples for chemical analysis.
6. Excavated test tips throughout the parcel in search for possible USTs.

Summary of Environmental Findings

The findings of the RI identified urban fill on the property. This urban fill is contaminated with SVOCs and metals. Additional geologic and hydrogeologic data collected at the site as part of the RI are as follows:

1. Elevation of the property is approximately 61 feet above sea level.
2. Average depth to groundwater is 20 feet below grade.
3. Groundwater flow is generally to the north beneath the Site.
4. Depth to bedrock is approximately 10 feet at the Site.
5. The site is comprised of urban fill from surface to eight (8) feet below grade surface (bgs). The fill includes yellowish brown to dark brown silt and fine sand mixed with concrete, red brick, and rock.
6. Soil samples collected during May 2011 investigations indicated no VOCs, pesticides, or PCBs detected above the Track 1 Unrestricted Use SCOs. Several SVOCs were detected above their Track 2 Restricted Residential SCO, including benzo(a)anthracene (max. of 22.5 ppm), benzo(a)pyrene (max. of 12.4 ppm), benzo(b)fluoranthene (max. of 13.2 ppm), benzo-(k)fluoranthene (max. of 13 ppm), chrysene (max. of 21.8 ppm), dibenzo(a,h)anthracene (max. of 1.95 ppm), and indeno(1,2,3-cd)pyrene (max. of 3.8 ppm). These SCOs were all detected in the shallow soil samples with the exception of one deep soil sample (boring B9). Nine (9) metals, including arsenic (14.8 ppm), barium (1270 ppm), chromium (46.8 ppm), copper (990 ppm), lead (701 ppm), mercury (0.68

ppm), nickel (39.5 ppm), selenium (5.18 ppm), and zinc (2010 ppm) were detected above their Track 1 Unrestricted Use SCOs. Barium, copper and lead were the only metals that were also detected above their Track 2 Restricted Residential Use SCOs. Data collected during October 2013 Remedial Investigation indicated that acetone and three (3) pesticides were detected slightly above Track 1 Unrestricted Use SCOs. Seven (7) SVOCs were detected above Track 1 Unrestricted and Track 2 Restricted Residential Use SCO in all but three soil samples. Pesticides included 4,4'-DDD (max. of 43.8 ppb); 4,4'-DDE (max. of 45.6 ppb); and 4,4'-DDT (max. of 151 ppb). Metals and SVOC concentrations were very similar to 2011 investigation results as above with the exception of silver (2.15 ppm) being detected above Unrestricted Use SCOs in one sample. Overall, the findings were consistent with observations for shallow historical fill sites in areas throughout NYC.

7. Groundwater samples collected during ESI's RI, dated May 2011, showed no VOCs, SVOCs, pesticides or PCBs above the New York State Part 703.5 Class GA groundwater quality standards GQS. Six (6) metals including aluminum, cobalt, iron, magnesium, manganese and sodium, were identified above the GQS. Data collected during October 2013 investigation indicated that metals including magnesium, manganese, and sodium above the GQS.
8. Soil vapor samples collected during ESI's RI, dated May 2011, showed low concentrations of various VOCs including the petroleum-related compounds benzene, ethylbenzene, xylenes, and toluene. The chlorinated solvents 1,1,1-trichloroethane, carbon tetrachloride, methyl tert-butyl ether (MTBE), tetrachloroethylene (PCE) and trichloroethylene (TCE) were not detected in soil vapor samples. Compounds detected with relatively high concentrations included acetone (a common laboratory contaminant), n-hexane, and propylene. Data collected during October 2013 investigation indicated petroleum-related compounds and chlorinated solvents detected at low concentrations in all soil vapor samples. The chlorinated solvents 1,1,1-trichloroethane and TCE were not detected in any of the soil vapor samples. The chlorinated solvent carbon tetrachloride (maximum of 0.38 ug/m^3) was detected in two samples, and PCE (maximum 3.2 ug/m^3) was detected in all three samples. Various compounds were detected with relatively high concentrations in SV-3, including n-heptane (87 ug/m^3), n-hexane (90 ug/m^3), toluene (72

ug/m^3), and total xylenes (101 ug/m^3). In addition, chloroform was detected at 110 ug/m^3 in SV-1.

9. Test pits excavated throughout the site did not uncover evidence of the presence of USTs.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Joy Construction Corporation will enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.60-acre site located at 1825 Boston Road in the Crotona Park East section of the Bronx, New York. First floor commercial and upper floor residential mixed-use is proposed for the property. Ecosystems Strategies, Inc. (ESI) performed RI work in February 2011 for the South Bronx Overall Economic Development Corporation (SoBRO). In October 2013, Brinkerhoff Environmental Services, Inc. (Brinkerhoff) performed additional RI work at the site. 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 1825 Boston Road in the Crotona Park East section of the Bronx, New York, and is identified as the northern portion of Block 2984, Lot 46 on the New York City Tax Map. Figure 1 shows the site location. Figure 2 shows the lot and block and the boundary of the remedial investigation ("the site"). The site lot is approximately 48,359 square feet. The site itself is approximately 26,000 square feet and is bounded by the Crotona Parkway to the west, East 176th Street to the north, Boston Road to the east, and vacant land and East 175th Street to the south. A map of the site boundary is shown in Figure 3. Currently, the site is vacant and undeveloped.

1.2 Proposed Redevelopment Plan

The proposed future use of the site will consist of an eight (8)-story mixed commercial and residential building. The building will occupy the northern portion of the site and above grade parking is proposed at the western portion of the site. The proposed redevelopment plan has been changed since the Remedial Investigation Workplan (RIWP) dated September 2010, and no cellar or below grade parking is proposed. Average excavation depths for commercial space and the footing will be four (4) feet below surface grade (bsg), and excavation depths for the elevator

pit will range from six (6) to eight (8) feet bsg. The current zoning designation is R7-1 with a C2-4 commercial overlay. The proposed use is consistent with existing zoning for the property.

The ground floor of the building will consist of commercial space, a recreational area, and utility rooms. The 2nd to 8th floors will include a total of 80 residential units, ranging from zero (0) bedrooms to two (2) bedrooms. When completed, the site will have approximately:

- 76,477 sf of residential development
- 15,292 sf of commercial/retail floor area on the ground floor
- 20 at-grade parking spaces (approximately 5,510 square feet)

Layouts of the proposed site development are presented in Appendix I. The current zoning designation is R7-1. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

Current uses, zonings, and general character of adjoining properties are as follows:

North: East 176th Street and Cross Bronx Expressway are located to the north of the site. Further north are residential buildings and parking facilities with zoning designation R7-1.

South: The remainder of the site lot exists immediately south of the site, followed by East 175th Street. Industrial and manufacturing structures with zoning designation C8-3 are located across East 175th Street.

East: Multi-family walk-up buildings with zoning designation C4-2 and vacant land with zoning designation C8-3 and C4-2 are located to the east of the site, across Boston Road.

West: A park is located to the west of the site across Crotona Parkway. Further west are commercial and office buildings with zoning designation R7-1.

Sensitive environmental receptors within an approximate 500-foot radius of the site include residential buildings and mixed commercial and residential buildings in all directions, a church to the north, and industrial structures to the south of the site. According to OER's online *SPEED* application, there are no schools, hospitals, or day care facilities within a 500-foot radius of the site. Figure 3 shows the area land usage and adjacent properties.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

According to a Phase I Environmental Site Assessment (ESA) performed by AKRF, Inc. (AKRF) in May 2005, Block 2984, Lot 46 was developed sometime between 1886 and 1901 and operated as a transit rail car and bus maintenance and repair facility until approximately 1989.

2.2 Previous Investigations

Previous investigations were conducted targeting Block 2984, Lot 46. The environmental work plans and reports are summarized below. The previous environmental investigation reports are presented in Appendix II.

Phase I ESA, dated May 2005, prepared by AKRF

The Phase I ESA revealed the following environmental conditions in connection with the property:

- Based on state records and a review of previous investigations performed by URS Consultants, Inc., a 10,000-gallon fuel oil underground storage tank (UST) and two 5,000-gallon diesel USTs were identified at the site in the early 1990s. The Phase I ESA also indicates that free product was encountered in an on-site monitoring well during the investigation performed by URS Consultants, Inc., and that a product recovery system, installed at the site from 1996 to1998, reduced the amount of free product present to non-detectable levels. . Later, a geophysical investigation and a test pit program suggested that tanks were removed. However, the geophysical investigation and test pit reports were not available for review.
- Petroleum products and solvents were historically used at the site, which have the potential to have affected the site.
- There is the possible existence of historic fill.
- Debris and trash were observed throughout the site.
- Historic usage of adjacent properties has the potential to adversely affect the groundwater quality at the site. However, a Phase II investigation by AKRF at the south adjacent property which included the collection of groundwater samples along

East 175th Street, upgradient of the site, revealed that petroleum product in groundwater was below the most stringent regulatory standards. The related documentation was not available for review.

"Revised" Proposed Remedial Investigation Work Plan (RIWP), dated September 2010, prepared by Equity Environmental Engineering, LLC (Equity)

The RIWP summarized the proposed development at the site, which is different from the present-day development plan. The RIWP also summarized the previous remedial work conducted at the site and proposed investigative services at the site, including:

- Geophysical Survey to determine if there are any USTs and/or buried utilities remaining on site.
- Installation of 12 soil borings across Block 2984, Lot 46. Two (2) soil samples will be collected from each soil boring location.
- Five (5) of the soil borings will be converted to temporary well points (TWPs). Three (3) of the TWPs will be converted to permanent groundwater monitoring wells. Groundwater samples will be collected from the three (3) monitoring wells.
- Determination of groundwater flow and direction.
- Soil vapor collection points installation and soil vapor samples collection.
- Waste disposal.
- Preparation of RIR for review and approval by the NYC Office of Environmental Remediation (OER).

Remedial Investigation Report (RIR), dated June 2011, prepared by ESI

The following remedial investigation activities were undertaken on Block 2984, Lot 46:

1. Conducted a site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);
2. Installed 12 soil borings across the entire project site and collected 22 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed five (5) groundwater monitoring wells throughout the site to establish groundwater flow and collected three (3) groundwater samples for chemical analysis

to evaluate groundwater quality; and,

4. Installed (six) 6 soil vapor probes around the site perimeter and collected (six) 6 samples for chemical analysis.

The remedial investigation results will be discussed in detail in Section 5.0.

2.3 Site Inspection

A site inspection was completed by Isabel Su, a Qualified Environmental Professional (QEP) from Brinkerhoff, on August 28, 2013. On the day of the inspection, dense vegetation was present at the site. There were no AOCs noted other than those identified by AKRF in the Phase I ESA.

2.4 Areas of Concern

The AOCs identified for this site include:

- One (1) 10,000-gallon fuel oil UST and two (2) 5,000-gallon diesel USTs were identified at the site in the early 1990s. Free product was discovered at the site and was reduced to non-detectable levels, due to remedial activities conducted from 1996 to 1998. Later, a geophysical investigation and a test pit program suggested that tanks were removed. However, no documentation related to the geophysical investigation is available for review.
- Petroleum products and solvents were historically used at the site, which have the potential to have affected the site.
- There is the possible existence of historic fill.
- Debris and trash were observed throughout the site.
- Historic usage of adjacent properties has the potential to adversely affect the groundwater quality at the site. However, a Phase II investigation by AKRF in 2003 at the south adjacent property which included the collection of groundwater samples along East 175th Street, upgradient of the site, revealed that petroleum product in groundwater was below the most stringent regulatory standards. The related documentation was not available for review.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The QEP responsible for preparation of this RIR is Douglas Harm.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including site and Occupational Safety and Health Administration (OSHA) worker safety requirements and Hazardous Waste Operations and Emergency Response (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

The following scope of work was performed as part of the RI by ESI and Brinkerhoff at the site, the northern portion of Block 2984, Lot 46:

1. Conducted a site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.).
2. As part of ESI's investigation in 2011, six (6) soil borings, one (1) groundwater monitoring well, two (2) temporary well points and three (3) soil vapor probes were installed at the site. Twelve (12) soil samples, three (3) groundwater samples, and three (3) soil vapor samples were collected for laboratory analysis.
3. As part of Brinkerhoff's investigation, installed four (4) soil borings and collected eight (8) soil samples for chemical analysis from the soil borings to evaluate soil quality.
4. Installed two (2) temporary well points and groundwater samples were collected for chemical analysis to evaluate groundwater quality. A groundwater sample was also collected from an existing monitoring well.
5. Installed three (3) soil vapor probes around site perimeter and collected three (3) samples for chemical analysis.
6. Excavated test pits throughout the parcel in search for possible USTs.

4.1 Subsurface Investigation

Due to the dense vegetation present at the site, a geophysical survey was not completed as part of this remedial investigation. On October 16th, Brinkerhoff oversaw a subsurface exploration at the site. The subsurface exploration performed consisted of excavating nine (9) test pits within the footprint of the proposed building. The test pits were excavated to confirm that there were no USTs present at the site. The excavation was performed by a backhoe. The test pits were advanced to approximately five (5) feet below grade. Debris from former building and fill material were observed in the test pits. No evidence of a tank was observed during the geophysical exploration. The test pit locations are shown on Figure 5.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

In February 2011, ESI installed six (6) soil borings (B-1, B-2, B-3, B-6, B-7 and B-9) at the site. Soil boring logs of this RI are included in Appendix III. The soil boring logs included in the ESI RIR are not complete, and only logs for B-1, B-2 and B-3 are provided. A map showing the locations of these soil borings is presented on Figure 4.

On October 15, 2013, Brinkerhoff installed four (4) soil borings (SB-1 through SB-4) at the site. The borings were installed using a Geoprobe® drill rig collecting continuous soil cores using acrylic liners. Soil from each boring was screened for volatile organic vapors using a properly calibrated photoionization detector (PID).

Boring logs were prepared by a geologist for all soil samples to document subsurface conditions. Boring logs include a description of the following: soil types and non-soil materials; soil screening results from field instrument measurements (i.e., PID, flame ionization detector); depth to groundwater; presence of soil mottling; presence of odor, vapors, soil discoloration; and, presence of free and/or residual product. Boring logs with this information are attached in Appendix III. A map showing the locations of soil borings and monitor wells is presented on Figure 5.

Groundwater Monitoring Well Construction

In February 2011, ESI installed a monitoring well (MW-1) in the location of soil boring B-1 and advanced soil borings B-2 and B-3 to temporary well points TW-1 and TW-2. Well logs are provided in Appendix IV. Well locations are shown on Figure 4.

On October 13, 2013, two (2) temporary well points (GW-2 and GW-3) were installed on the site. A Geoprobe® drill rig was utilized to install the temporary well points. Groundwater was encountered at approximately 20 feet below surface grade in the soil boring. Temporary well point locations are shown in Figure 5. Well logs are provided in Appendix IV.

Survey

A land survey was used to identify the arbitrary vertical location of all monitoring wells in order to develop a groundwater contour map as part of the 2011 ESI RI.

Water Level Measurement

The depth to static groundwater was measured using an electronic depth meter accurate to the nearest 0.01-foot. Water level data from the 2013 Brinkerhoff RI is included in Table 8.

4.3 Sample Collection and Chemical Analysis

Sampling was performed as part of the field investigation conducted for the AOC; other means for bias of sampling were also considered 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

In February 2011, ESI conducted a soil boring and sampling program at the site. A total of six (6) soil borings were installed, with two (2) soil samples retained for laboratory analysis. One (1) soil sample was collected from the 0-2 foot interval below grade surface (bgs) and a second sample was collected from the soil to groundwater interface or area exhibiting the highest degree of staining, odors, or PID reading. A summary of the data on soil sample collection for chemical analyses is reported in Table 1 (exceedences only) A full summary of the data on soil sample collection for chemical analyses is reported in Table 4 of the RI in Appendix 2. Figure 4 shows the location of samples collected in this investigation. Laboratory analytical methods are outlined later in this section.

On October 15, 2013, Brinkerhoff performed a soil investigation at the site. All field personnel wore dedicated, disposable gloves, and all samples were placed into laboratory supplied glassware. Samples were collected directly from dedicated acetate sleeves obtained from a Geoprobe drill rig. Samples were placed in a cooler on ice accompanied by a chain of custody.

Soil samples collected during all invasive investigation were screened by visual and olfactory

means and using a calibrated PID. No visual or olfactory evidence of petroleum contamination was identified in any of the soil samples. Results of soil screening are recorded on the soil boring logs provided in Appendix III.

At each boring, soil samples were collected at 0 to 2 feet bgs within the historic fill and at 6 to 8 feet bgs which corresponds to the maximum depth of planned excavation at the site. The samples were submitted to a New York State Department of Health (NYS DOH) certified laboratory for analyses.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, are reported in Table 2. Figure 5 shows the location of samples collected in this investigation. Laboratory analytical methods are outlined later in this section.

Groundwater Sampling

In February 2011, ESI installed a monitoring well, MW-1, and two (2) temporary well points, TW-1 and TW-2. One (1) groundwater sample was obtained from each of the well location. A summary of groundwater sample collection data is reported in Table 3 (exceedances only) A full summary of the data on soil sample collection for chemical analyses is reported in Table 5 of ESI's RIR in Appendix II. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix IV. Figure 4 shows the location of groundwater sampling. Laboratory analytical methods are outlined later in this section.

On October 15, 2013, a groundwater sample (GW-1) was collected from a pre-existing monitoring well, which was MW-1 installed by ESI in February 2011. In addition, two (2) groundwater samples (GW-2 and GW-3) were collected from two (2) temporary well points from the site. Groundwater samples were obtained from each well location utilizing an inertial pump consisting of a stainless steel check valve and ball. The inertial pump was fitted with dedicated polyethylene tubing, which allowed the groundwater to be brought up to the ground surface for collection.

Groundwater sample collection data, including dates of collection, are reported in Table 4. Well sampling logs with information on purging and sampling of groundwater monitoring wells are included in Appendix IV. Figure 5 shows the location of samples collected in this investigation. All sampling equipment was dedicated; therefore, no decontamination was

required. One trip blank groundwater sample was collected for analysis.

Soil Vapor Sampling

In February 2011, three (3) soil vapor probes were installed and three (3) soil vapor samples (SV-1, SV-5 and SV-6) were collected for chemical analysis by ESI. SV-1 was collected from 9 feet bgs, and SV-5 and SV-6 were collected from 14 feet bgs. The sample depths were planned according to the previous anticipated excavation depth of 14 feet bgs. However, the development plan has changed, and a maximum excavation depth of eight (8) feet is planned. Soil vapor sampling locations are shown on Figure 4. A summary of the soil vapor sample collection data is reported in Table 5. Soil vapor sample collection data are included in Appendix V.

On October 15, 2013, Brinkerhoff collected three (3) soil vapor samples from the site. Soil vapor samples were collected from three (3) vapor probes installed using a Geoprobe drill rig. Prior to sample collection, the sampling points were purged of three (3) volumes using a peristaltic pump. Following purging, a soil vapor sample was collected from five (5) feet bgs using the vacuum from the Summa canister. Soil vapor sampling locations are shown on Figure 5. Soil vapor sample collection data is reported in Table 6. Soil vapor sampling logs are included in Appendix V. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.* (See Table 7 for the NYS DOH Guidance Values.)

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 Duane Shinton, Geologist.
Chemical Analytical Laboratory	The chemical analytical laboratories used in the RI (Accredited Analytical Resources, LLC and Integrated Analytical Laboratories, LLC) are NYS DOH ELAP-certified.
Chemical Analytical Methods	Soil analytical methods: • VOCs by EPA Method 8260 • SVOCs by EPA Method 8270 • Pesticides by EPA Method 8082* • PCBs by EPA Method 8081 • Metals by EPA Method 6010B

Factor	Description
	Groundwater analytical methods: • VOCs by EPA Method 8260 • SVOCs by EPA Method 8270 • Pesticides by EPA Method 8082 • PCBs by EPA Method 8081 • Metals by EPA Method 6010B Soil vapor analytical methods • VOCs by TO-15 VOC parameters *The soil samples collected from borings B-6, B-7, and B-9 and the deep soil samples collected at borings B-1, B-2, and B-3 in ESI's RI did not analyze for pesticides or PCBs.

Results of Chemical Analyses

Laboratory data for soil, groundwater, and soil vapor are summarized in Tables 1 through 6. Laboratory data deliverables for all samples evaluated in this RIR are provided in Appendix VI.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Geologic and hydrogeologic data were obtained from soil borings installed at the site as part of the remedial investigation conducted.

Stratigraphy

Geology at the site consists of historic fill material from the surface to an average of eight (8) feet bgs. The fill material includes yellowish brown to dark brown silt and fine sand mixed with concrete, red brick, and rock. Below the fill material is a brown fine silty sand to an average depth of 28 feet bgs where weathered bedrock is encountered.

Hydrogeology

Groundwater level data for all monitoring wells are provided in Table 8. The average depth to water is encountered during the Brinkerhoff RI was 20 feet and the range was 19.45 to 20.97 feet. Groundwater flow direction is toward the north as calculated by ESI in their RIR dated June 11, 2011. Groundwater flow direction is shown in Figure 5 of ESI's RIR in Appendix II.

5.2 Soil Chemistry

Data collected during ESI's RI, dated May 2011, showed that no VOCs, pesticides, or PCBs were detected above the New York State Department of Environmental Conservation (NYSDEC) Part 375-6.8(a) Track 1 Unrestricted Use SCO or Track 2 Restricted Residential Use SCO. The following SVOCs were identified in samples from all six (6) soil borings above their Track 1 Unrestricted or Track 2 Restricted Residential Use SCOs: benzo(a)anthracene (maximum of 22.5 milligrams per kilogram [mg/kg]), benzo(a)pyrene (maximum of 12.4 mg/kg), benzo(b)fluoranthene (maximum of 13.2 mg/kg), benzo(k)fluoranthene (maximum of 13 mg/kg), chrysene (max of 21.8 mg/kg), dibenzo(a,h)anthracene (max of 1.95 mg/kg), and indeno(1,2,3-cd)pyrene (max of 3.8 mg/kg). These were all detected in the shallow soil samples with the exception of one deep soil sample. Nine (9) metals, including arsenic (14.8 ppm), barium (1270 ppm), chromium (46.8 ppm), copper (990 ppm), lead (701 ppm), mercury (0.68 ppm), nickel (39.5 ppm), selenium (5.18 ppm), and zinc (2010 ppm) were detected above their Track 1 Unrestricted Use SCOs. Lead and barium was the only metals that were also detected

above their Track 2 Restricted Residential Use SCOs (maximums of 570 mg/kg and 701 mg/kg, respectively). A laboratory analytical table for soil samples summarizing the compounds with exceeding concentrations is included in Table 1. Figures 6 and 7 show the locations and post the values for soil/fill that exceed the 6NYCRR Part 375 Track 1 and Track 2 SCOs.

Data collected during Brinkerhoff's RI, dated October 2013, indicated that acetone, a common laboratory contaminant, was detected above Track 1 Unrestricted Use SCO but below Track 2 Restricted Residential Use SCO in deep samples from SB-1 and SB-4. Pesticides, including 4,4'-DDD, 4,4'-DDE and 4,4'-DDT, were detected above Track 1 Unrestricted Use SCO in the deep sample from SB-2, and 4,4'-DDE was detected above Track 1 Unrestricted Use SCO in both samples from SB-4. No pesticides were detected above their Track 2 Restricted Residential Use SCOs. Seven (7) SVOCs, including benzo[a]anthracene (maximum of 17.6 mg/kg), benzo[a]pyrene (maximum of 16.4 mg/kg), benzo[b]fluoranthene (maximum of 19.8), benzo[k]fluoranthene (maximum of 18.1 mg/kg), chrysene (maximum of 18.5 mg/kg), dibenzo(a,h)anthracene (maximum of 5.30 mg/kg), and ideno(1,2,3-cd)pyrene (maximum of 10.7) were detected above Track 1 Unrestricted and Track 2 Restricted Residential Use SCO in all soil samples except SB-1B, SB-3A, and SB-3B. Seven (7) metals, including mercury, barium, and lead, were detected above the Track 1 Unrestricted Use SCO. In addition, barium was detected above the Track 2 Restricted Residential Use SCO in SB-2B.

Overall, the findings were consistent with observations for shallow historical fill sites in areas throughout NYC. Data collected during the RI were sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the site. A summary table of data for chemical analyses performed on soil samples is included in Table 2. Figures 8 and 9 show the location and posts the values for soil/fill that exceed the 6NYCRR Part 375 Track 1 and Track 2 SCOs.

5.3 Groundwater Chemistry

Data collected during ESI's RI, dated May 2011, showed that no VOCs, SVOCs, pesticides, or PCBs were detected above their respective groundwater standards. Six (6) metals – aluminum, cobalt, iron, magnesium, manganese and sodium – were identified above the NYSGWS. A table summarizing exceeding concentrations is included in Table 3. Figure 10 shows the location and posts the values for groundwater that exceed the NYSGWS.

Data collected during Brinkerhoff's RI, dated October 2013 showed that no VOCs, SVOCs, pesticides, or PCBs were detected above their respective groundwater standards. Eight (8) metals – aluminum, antimony, beryllium, iron, magnesium, manganese, sodium and thallium – were detected above the NYSGWS. When dissolved, only magnesium, manganese, and sodium, all naturally-occurring metals, were above the NYSGWS.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 4. Exceedances of applicable groundwater standards are shown. Figure 11 shows the locations and posts the values for groundwater that exceeds the NYSGWS.

5.4 Soil Vapor Chemistry

Data collected during ESI's RI, dated May 2011, indicated that several compounds including 1,1,1-Trichloroethane, carbon tetrachloride, methyl tert-butyl ether (MTBE), tetrachloroethylene (PCE) and trichloroethylene (TCE) were not detected in soil vapor samples. Various compounds were detected with low concentrations, including the petroleum-related compounds benzene (maximum 11 micrograms per cubic meter [ug/m^3]), ethylbenzene (maximum 3.4 ug/m^3), and toluene (maximum 13 ug/m^3), o-xylene (3.5 ug/m^3), and p-&m-xylenes (8.9 ug/m^3). Compounds detected with relatively high concentrations include acetone (180 ug/m^3 in SV-5), n-Hexane (300 ug/m^3 in SV-1), and propylene (430 ug/m^3 in SV-1, 220 ug/m^3 in SV-5). A summary table of data for chemical analyses performed on soil vapor samples is included in Table 5. Figure 12 shows the locations and posts the values for soil vapor samples with detected concentrations.

Data collected during Brinkerhoff's RI in October 2013 indicated that petroleum-related compounds and chlorinated-solvents were detected at low concentrations in all soil vapor samples. The chlorinated solvents 1,1,1-Trichloroethane and TCE were not detected in any of the soil vapor samples. The chlorinated solvent carbon tetrachloride (maximum of 0.38 ug/m^3) was detected in two samples and PCE (maximum 3.2 ug/m^3) was detected in all three samples. These concentrations are below their monitoring ranges established by DOH guidance matrix. Various compounds were detected with relatively high concentrations in SV-3, including n-heptane (87 ug/m^3), n-hexane (90 ug/m^3), toluene (72 ug/m^3), and total xylenes (101 ug/m^3). In addition, chloroform was detected at 110 ug/m^3 in SV-1.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 6. Guidance values from *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006* are shown in Table 7. Figure 13 shows the location and posts the values for soil vapor samples with detected concentrations.

5.5 Prior Activity

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

5.6 Impediments to Remedial Action

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

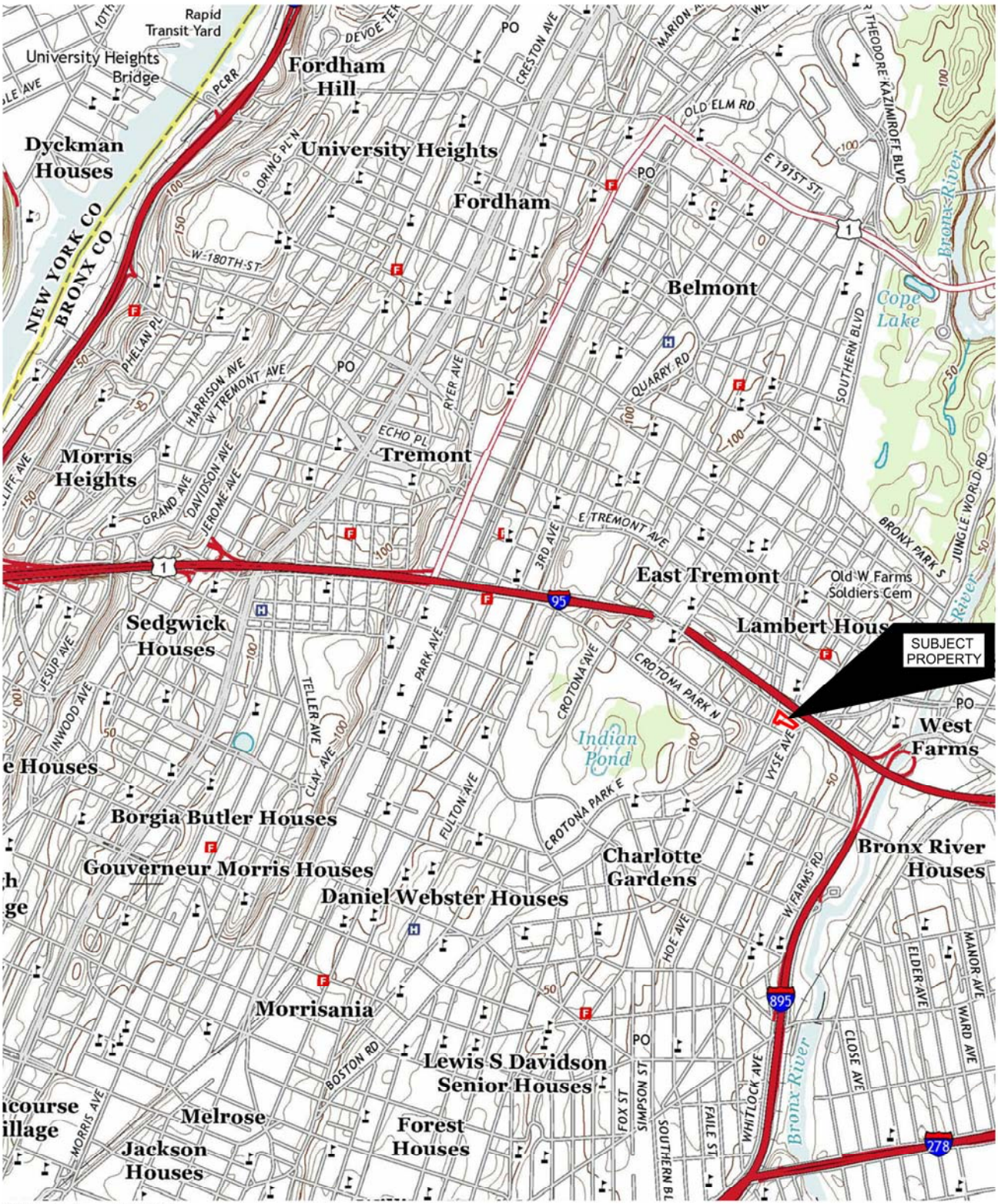

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PHOTO REVISED: 2013

0′ 1000′ 2000′

SCALE: 1"=2000′

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FIGURE 1 - SITE LOCATION MAP
U.S.G.S. TOPOGRAPHIC CENTRAL PARK, NY QUAD
1825 BOSTON ROAD - BUILDING A
PORTION OF BLOCK 2984, LOT 46
BOROUGH OF BRONX, BRONX COUNTY, NEW YORK

DATE: 10/24/13	JOB NO.: 13BR171	SCALE: 1" = 2000′

0′ 100′ 200′

SCALE: 1"=200′

BRINKERHOFF
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FIGURE 2 - TAX MAP

1825 BOSTON ROAD - BUILDING A
PORTION OF BLOCK 2984, LOT 46
BOROUGH OF BRONX, BRONX COUNTY, NEW YORK

DATE: 10/24/13	JOB NO.: 13BR171	SCALE: 1″ = 200′

LEGEND

- RESIDENTIAL LOCATION
- COMMERICAL AND OFFICE BUILDING LOCATION
- INDUSTRIAL AND MANUFACTURING BUILDING LOCATION
- VACANT LAND LOCATION
- PARKING FACILITY
- CHURCH LOCATION
- PARK LOCATION

0′ 125′ 250′

SCALE: 1"=250′

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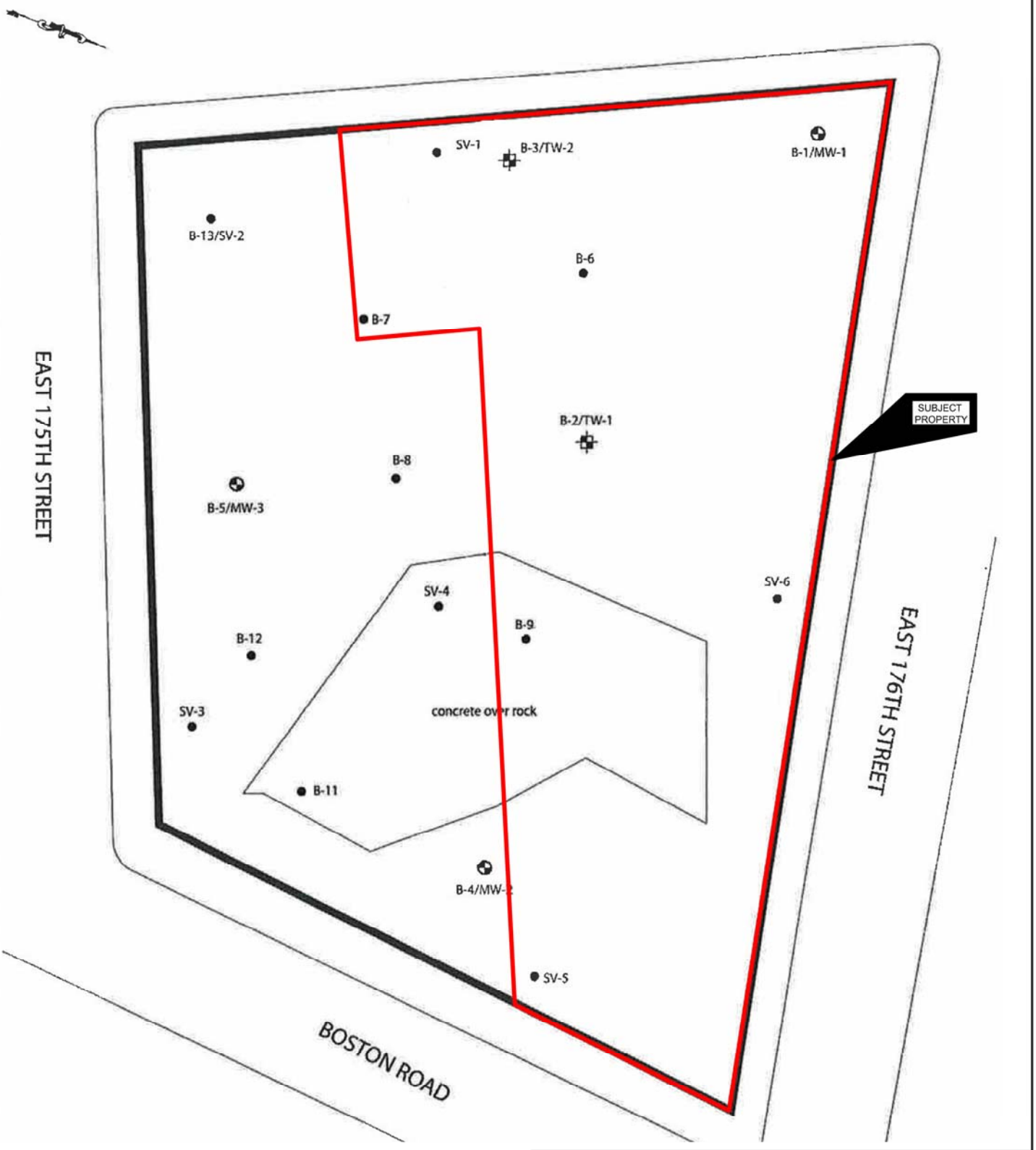
FIGURE 3 - SITE BOUNDARY AND SURROUNDING USAGE MAP
1825 BOSTON ROAD - BUILDING A
PORTION OF BLOCK 2984, LOT 46
BOROUGH OF BRONX, BRONX COUNTY, NEW YORK

DATE: 10/28/13	JOB NO.: 13BR171	SCALE: 1″ = 250′



Legend:

- subject property border
- boring location
- monitoring well and boring location
- temporary well and boring location

0′ 20′ 40′

SCALE: 1"=40′

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.

FIGURE 4
SAMPLE LOCATION MAP BY SEI - FEBRUARY 2011
1825 BOSTON ROAD - BUILDING A
PORTION OF BLOCK 2984, LOT 46
BOROUGH OF BRONX, BRONX COUNTY, NEW YORK

DATE: 10/30/13	JOB NO.: 13BR171	SCALE: 1″ = 40′

LEGEND

⊕ GW-1 - GROUNDWATER SAMPLE LOCATION

◒ SV-1 - SOIL VAPOR SAMPLE LOCATION

● SB-1 - SOIL BORING LOCATION

■ TP-2 - TEST PIT LOCATION

0′ 30′ 60′

SCALE: 1"=60′

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FIGURE 5
SAMPLE LOCATION MAP - OCTOBER 2013
1825 BOSTON ROAD - BUILDING A
PORTION OF BLOCK 2984, LOT 46
BOROUGH OF BRONX, BRONX COUNTY, NEW YORK

DATE: 11/1/13	JOB NO.: 13BR171	SCALE: 1" = 60′

B-3 (0-2") (mk/kg)	
Benzo[a]anthracene	3.79
Benzo[a]pyrene	3.52
Benzo[b]fluoranthene	3.55
Benzo[k]fluoranthene	3.58
Chrysene	3.64
Dibenzo(a,h)anthracene	0.848
Indeno(1,2,3-cd)pyrene	1.7
Mercury	0.583
Copper	265
Lead	411
Nickel	39.1
Zinc	1,750

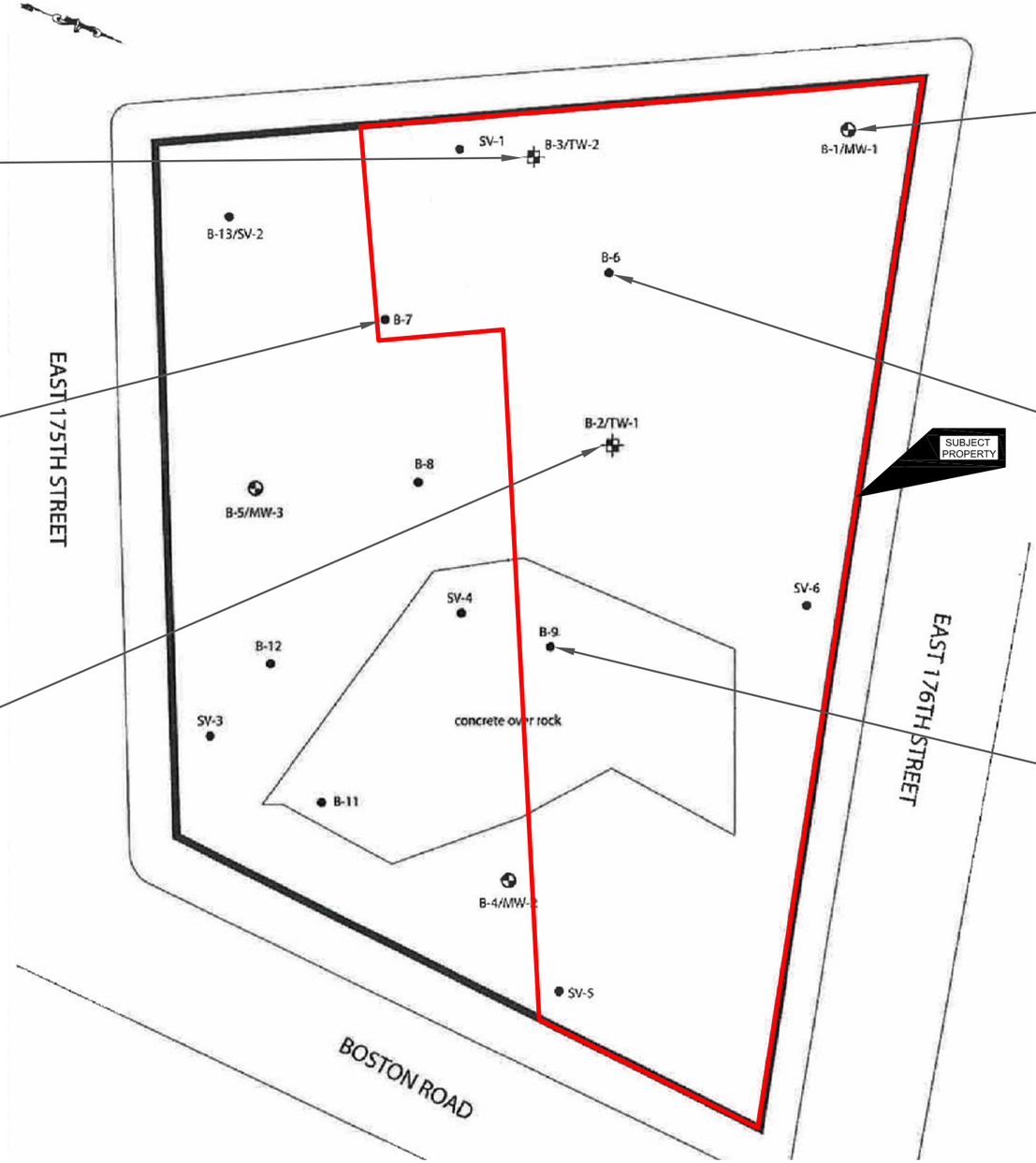
B-1 (0-2") (mk/kg)	
Benzo[a]anthracene	5.33
Benzo[a]pyrene	5.23
Benzo[b]fluoranthene	8.18
Benzo[k]fluoranthene	7.09
Chrysene	3.92
Dibenzo(a,h)anthracene	1.95
Indeno(1,2,3-cd)pyrene	3.3
Lead	100
Zinc	114

B-7 (0-2") (mk/kg)	
Benzo[a]anthracene	8.67
Benzo[a]pyrene	5.93
Benzo[b]fluoranthene	5.32
Benzo[k]fluoranthene	5.89
Chrysene	9.27
Indeno(1,2,3-cd)pyrene	1.52
Barium	570
Chromium	30.6
Copper	68.9
Lead	458
Selenium	4.87
Zinc	454

B-6 (0-2") (mk/kg)	
Benzo[a]anthracene	7.38
Benzo[a]pyrene	4.68
Benzo[b]fluoranthene	3.56
Benzo[k]fluoranthene	3.56
Chrysene	5.89
Dibenzo(a,h)anthracene	0.502
Indeno(1,2,3-cd)pyrene	1.28
Arsenic	14.8
Copper	990
Lead	572
Nickel	44
Selenium	5.18
Zinc	2,010

B-2 (0-2") (mk/kg)	
Benzo[a]anthracene	6.49
Benzo[a]pyrene	5.68
Benzo[b]fluoranthene	8.58
Benzo[k]fluoranthene	6.43
Chrysene	7.04
Indeno(1,2,3-cd)pyrene	3.8
Chromium	35
Copper	171
Lead	398
Zinc	298

B-9 (0-2") (mk/kg)	
Benzo[a]anthracene	4.05
Benzo[a]pyrene	2.89
Benzo[b]fluoranthene	2.22
Benzo[k]fluoranthene	2.99
Chrysene	3.99
Barium	613
Copper	69.4
Lead	342
Zinc	445



Legend:

- subject property border
- boring location
- monitoring well and boring location
- temporary well and boring location

RED = exceeds Track 1 Soil Cleanup Objective

GREEN = exceeds Track 2 Soil Cleanup Objective

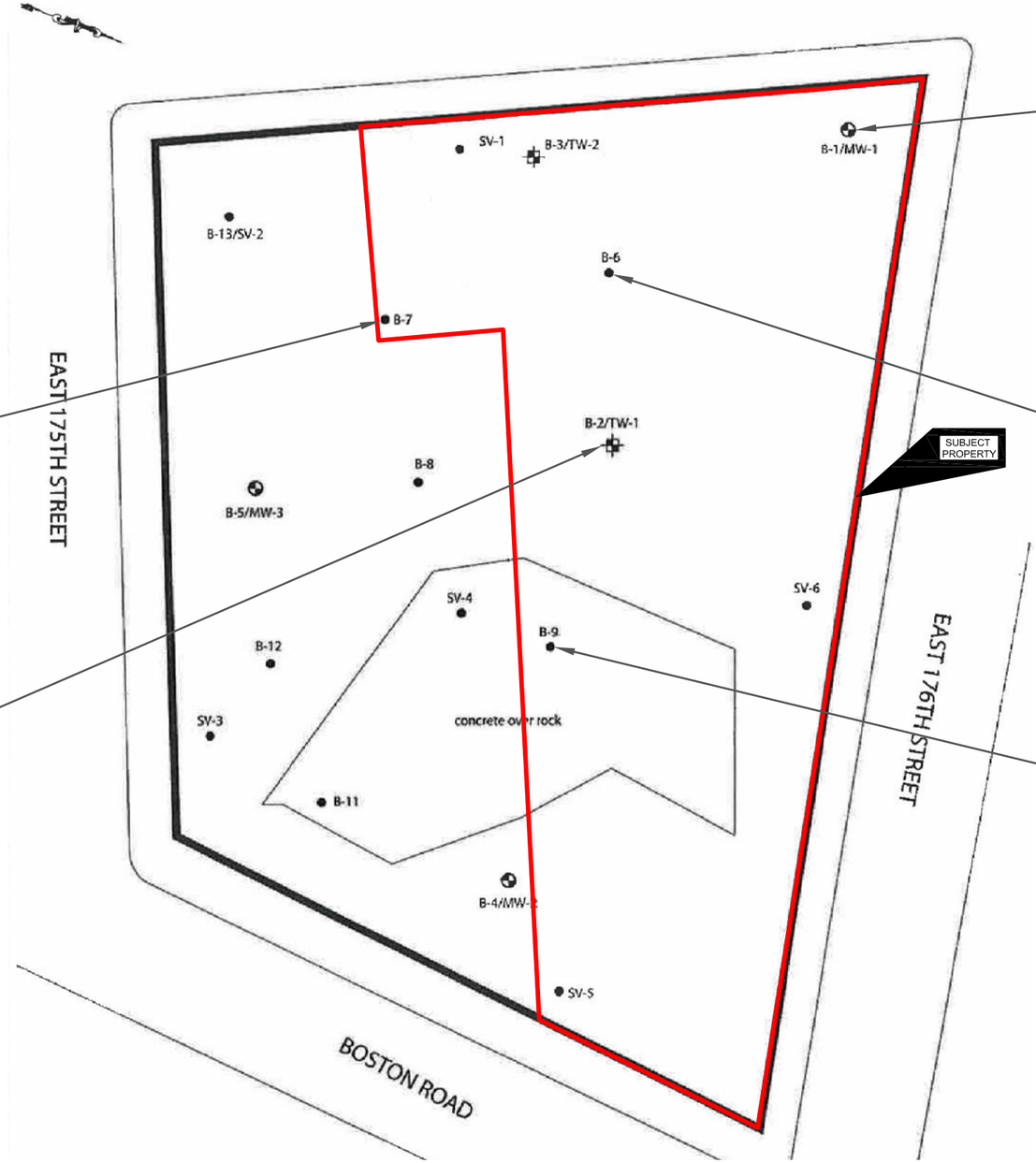
0′ 20′ 40′

SCALE: 1"=40′

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.

FIGURE 6 - SOIL SHALLOW SAMPLE
LOCATION MAP BY SEI - FEBRUARY 2011
1825 BOSTON ROAD - BUILDING A
PORTION OF BLOCK 2984, LOT 46
BOROUGH OF BRONX, BRONX COUNTY, NEW YORK

DATE: 11/7/13	JOB NO.: 13BR171	SCALE: 1" = 40′



B-1 (25'-26') (mk/kg)	
Nickel	37.7

B-6 (6'-8') (mk/kg)	
Copper	80
Lead	457
Selenium	4.87
Zinc	177

B-9 (25.5') (mk/kg)	
Benzo[a]anthracene	22.5
Benzo[a]pyrene	12.4
Benzo[b]fluoranthene	13.2
Benzo[k]fluoranthene	13
Chrysene	21.8
Mercury	0.486
Barium	1,270
Chromium	46.8
Copper	73
Lead	701
Nickel	39.5
Zinc	1,720

B-7 (10.5') (mk/kg)	
Mercury	0.688
Copper	255
Lead	297

B-2 (22'-24') (mk/kg)	
Chromium	32.8
Nickel	32.6

Legend:
- subject property border
- boring location
- monitoring well and boring location
- temporary well and boring location

RED = exceeds Track 1 Soil Cleanup Objective
GREEN = exceeds Track 2 Soil Cleanup Objective

0′ 20′ 40′
SCALE: 1"=40′

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 7 - SOIL DEEP SAMPLE
LOCATION MAP BY SEI - FEBRUARY 2011
1825 BOSTON ROAD - BUILDING A
PORTION OF BLOCK 2984, LOT 46
BOROUGH OF BRONX, BRONX COUNTY, NEW YORK

DATE: 11/7/13	JOB NO.: 13BR171	SCALE: 1″ = 40′

SB-1A (mk/kg) (0-2')	
Benzo[a]anthracene	5.32
Benzo[a]pyrene	5.12
Benzo[b]fluoranthene	7.35
Benzo[k]fluoranthene	4.73
Chrysene	5.31
Dibenzo(a,h)anthracene	0.957
Indeno(1,2,3-cd)pyrene	2.08
Mercury	0.202
Chromium	35.2
Copper	102
Lead	297
Zinc	742

SB-4A (mk/kg) (0-2')	
4,4'-DDE	0.0339
Benzo[a]anthracene	16.1
Benzo[a]pyrene	15.7
Benzo[b]fluoranthene	19.8
Benzo[k]fluoranthene	18.1
Chrysene	17
Dibenzo(a,h)anthracene	2.04
Indeno(1,2,3-cd)pyrene	4.09
Mercury	0.239
Chromium	46.4
Copper	88.5
Lead	314
Silver	2.15
Zinc	431

SB-2A (mk/kg) (0-2')	
Benzo[a]anthracene	7.77
Benzo[a]pyrene	7.66
Benzo[b]fluoranthene	9.04
Benzo[k]fluoranthene	6.75
Chrysene	8.53
Dibenzo(a,h)anthracene	1.8
Indeno(1,2,3-cd)pyrene	3.66
Mercury	0.43
Barium	358
Chromium	34.2
Copper	93.9
Lead	312
Zinc	535

SB-3A (mk/kg) (0-2')	
Copper	104
Lead	223
Silver	2.08
Zinc	132

LEGEND

⊕ GW-1 - GROUNDWATER SAMPLE LOCATION

◒ SV-1 - SOIL VAPOR SAMPLE LOCATION

● SB-1 - SOIL BORING LOCATION

RED = exceeds Track 1 Soil Cleanup Objective

GREEN = exceeds Track 2 Soil Cleanup Objective

0′ 30′ 60′

SCALE: 1"=60′

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FIGURE 8 - SOIL SHALLOW SAMPLE
LOCATION MAP - OCTOBER 2013
1825 BOSTON ROAD - BUILDING A
PORTION OF BLOCK 2984, LOT 46
BOROUGH OF BRONX, BRONX COUNTY, NEW YORK

DATE: 11/7/13	JOB NO.: 13BR171	SCALE: 1" = 60′

SB-1B (mk/kg) (6'-8')	
Acetone	0.096

SB-4B (mk/kg) (6'-8')	
4,4'-DDE	0.0144
Benzo[a]anthracene	6.36
Benzo[a]pyrene	6.16
Benzo[b]fluoranthene	7.39
Benzo[k]fluoranthene	7.15
Chrysene	6.61
Dibenzo(a,h)anthracene	1.91
Indeno(1,2,3-cd)pyrene	3.79
Mercury	0.273
Chromium	45.9
Copper	52
Lead	333
Silver	2.78
Zinc	350
Acetone	0.0519

SB-2B (mk/kg) (6'-8')	
4,4'-DDD	0.0438
4,4'-DDE	0.0456
4,4'-DDT	0.127
Benzo[a]anthracene	8.38
Benzo[a]pyrene	8.62
Benzo[b]fluoranthene	11.9
Benzo[k]fluoranthene	7.65
Chrysene	9.34
Dibenzo(a,h)anthracene	2.88
Indeno(1,2,3-cd)pyrene	2.27
Mercury	0.244
Barium	807
Lead	204
Zinc	390

LEGEND

⊕ GW-1 - GROUNDWATER SAMPLE LOCATION

◒ SV-1 - SOIL VAPOR SAMPLE LOCATION

● SB-1 - SOIL BORING LOCATION

RED = exceeds Track 1 Soil Cleanup Objective

GREEN = exceeds Track 2 Soil Cleanup Objective

0′ 30′ 60′

SCALE: 1"=60′

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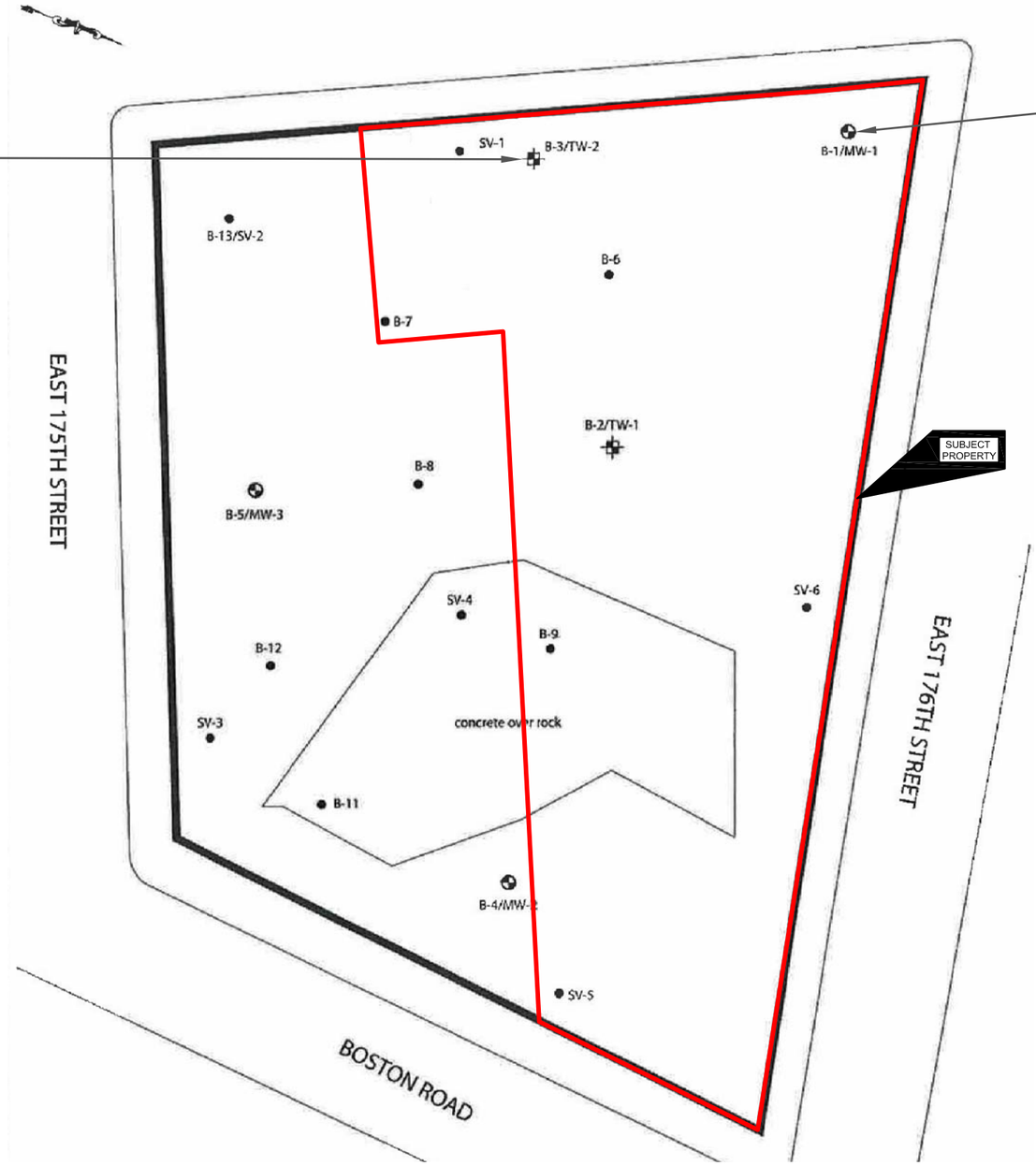
FIGURE 9 - SOIL DEEP SAMPLE
LOCATION MAP - OCTOBER 2013
1825 BOSTON ROAD - BUILDING A
PORTION OF BLOCK 2984, LOT 46
BOROUGH OF BRONX, BRONX COUNTY, NEW YORK

DATE: 11/7/13	JOB NO.: 13BR171	SCALE: 1" = 60′

TW-2 (ug/L)	
Aluminum	1030
Iron	1730
Magnesium	71600
Magnesium (diss)	72400
Manganese	633
Manganese (diss)	596
Sodium	274000
Sodium (diss)	273000

MW-1 (ug/L)	
Aluminum	575
Cobalt	8
Cobalt (diss)	7
Iron	2930
Iron (diss)	333
Magnesium	71500
Magnesium (diss)	73400
Manganese	2610
Manganese (diss)	2620
Sodium	161000
Sodium (diss)	161000



Legend:
- subject property border
- boring location
- monitoring well and boring location
- temporary well and boring location

RED - Indicates result exceeds New York State 6NYCRR Part 703.5 Class GA groundwater standards

0′ 20′ 40′
SCALE: 1"=40′

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ENVIRONMENTAL SERVICES, INC.

FIGURE 10 - EXCEEDANCE OF GROUNDWATER QUALITY STANDARD MAP BY SEI - FEBRUARY 2011
1825 BOSTON ROAD - BUILDING A
PORTION OF BLOCK 2984, LOT 46
BOROUGH OF BRONX, BRONX COUNTY, NEW YORK

DATE:	JOB NO.:	SCALE:
10/30/13	13BR171	1" = 40'

GW-1 (ug/L)	
Aluminum	413
Iron	6520
Magnesium	118000
Magnesium (diss)	114000
Manganese	2620
Manganese (diss)	2470
Sodium	169000
Sodium (diss)	168000

GW-2 (ug/L)	
Aluminum	243
Antimony	16.6
Beryllium	15.6
Iron	9300
Magnesium	120000
Magnesium (diss)	114000
Manganese	3750
Manganese (diss)	3500
Sodium	101000
Sodium (diss)	98300
Thallium	15.7

GW-3 (ug/L)	
Aluminum	2050
Iron	4160
Magnesium	49100
Magnesium (diss)	43900
Manganese	1340
Manganese (diss)	1180
Sodium	183000
Sodium (diss)	171000

LEGEND

⊕ - GROUNDWATER SAMPLE LOCATION
GW-1

◒ - SOIL VAPOR SAMPLE LOCATION
SV-1

● - SOIL BORING LOCATION
SB-1

RED - Indicates result exceeds New York State 6NYCRR Part 703.5 Class GA groundwater standards

0′ 30′ 60′

SCALE: 1"=60′

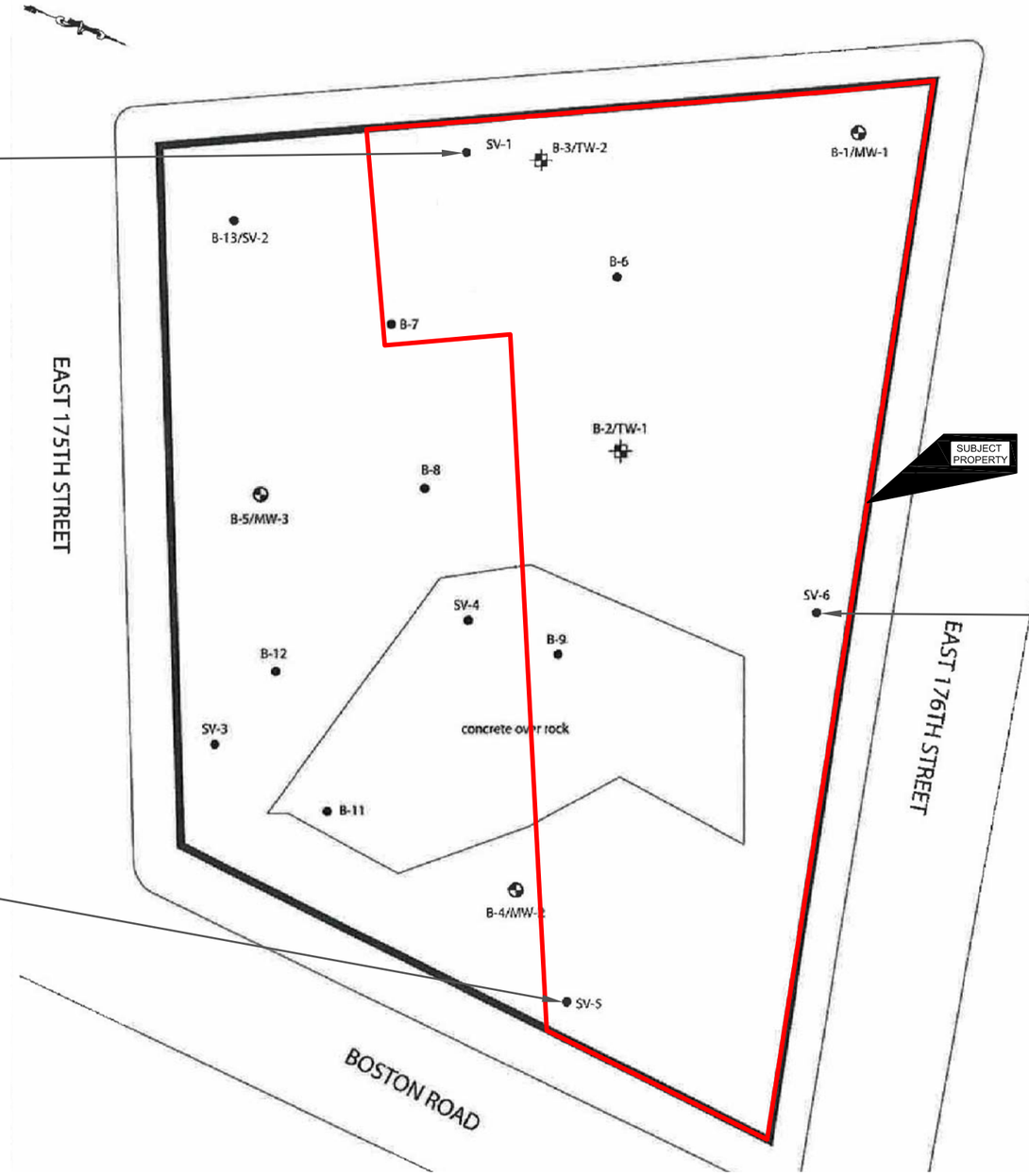
BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 11 - EXCEEDANCE OF GROUNDWATER QUALITY STANDARD MAP - OCTOBER 2013
1825 BOSTON ROAD - BUILDING A
PORTION OF BLOCK 2984, LOT 46
BOROUGH OF BRONX, BRONX COUNTY, NEW YORK

DATE:	JOB NO.:	SCALE:
10/30/13	13BR171	1" = 60'

SV-1 (ug/m3)	
Acetone	35
Methylene Chloride	23
n-Heptane	76
n-Hexane	300
Propylene	430

SV-5 (ug/m3)	
1,3-Butadiene	10
2-Butanone	41
2-Hexanone	17
3-Chloropropene	2.4
Acetone	180
Benzene	11
Bromomethane	2.6
Carbon disulfide	6.2
Cyclohexane	1.2
Dichlorodifluoror	2.4
Ethylbenzene	3.4
Isopropanol	4.7
Methylene Chlor	19
o-Xylenes	3.5
p-&m-Xylenes	8.9
p-Ethytoluene	2
Propylene	220
Toluene	13
Vinyl acetate	6



SV-6 (ug/m3)	
2-Butanone	5
2-Hexanone	31
4-Methyl-2-pentanone	35
Methylene Chloride	2.7
n-Hexane	2.6
o-Xylenes	3.5
p-Ethytoluene	2.9
Propylene	7.9
Tetrahydrofuran	3.9
Toluene	3
Vinyl acetate	1.4

Legend:
- subject property border
- boring location
- monitoring well and boring location
- temporary well and boring location

0′ 20′ 40′
SCALE: 1"=40′

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FIGURE 12 - SOIL VAPOR
RESULTS MAP BY SEI - FEBRUARY 2011
1825 BOSTON ROAD - BUILDING A
PORTION OF BLOCK 2984, LOT 46
BOROUGH OF BRONX, BRONX COUNTY, NEW YORK

DATE: 10/30/13	JOB NO.: 13BR171	SCALE: 1" = 40'

SV-3 (ug/m3)	
Acetone	70
Carbon tetrachloride	0.38
Cyclohexane	2.5
Dichlorodifluoromethane	2.4
Ethylbenzene	27
n-Heptane	87
n-Hexane	90
Methylene chloride	25
Methyl ethyl ketone	5.2
Methyl isobutyl ketone	1.3
Tert-butyl alcohol	6.1
Tetrachloroethene	1.6
Toluene	72
Trichlorofluoromethane	2.5
2,2,4-Trimethylpentane	1.1
Xylenes (m&p)	81
Xylenes (o)	20
Xylenes - TOTAL	101

SV-2 (ug/m3)	
Acetone	82
Benzene	0.77
Chlorobenzene	2
Chloroform	2.4
Carbon disulfide	0.9
Cyclohexane	1.2
1,3-Dichlorobenzene	6.1
Dichlorodifluoromethane	2.8
Ethylbenzene	5.8
n-Heptane	5.9
n-Hexane	3.5
Methylene chloride	1.8
Methyl ethyl ketone	3.8
Tert-butyl alcohol	3.9
Tetrachloroethene	3.2
Toluene	19
Trichlorofluoromethane	11
1,2,4-Trimethylbenzene	6.9
1,3,5-Trimethylbenzene	1.2
2,2,4-Trimethylpentane	1.3
Xylenes (m&p)	19
Xylenes (o)	7.7
Xylenes - TOTAL	26.7

SV-1 (ug/m3)	
Acetone	41
Bromodichloromethane	1.9
Chloroform	110
Carbon disulfide	0.81
Carbon tetrachloride	0.25
1,3-Dichlorobenzene	3.7
Ethylbenzene	2.4
n-Heptane	0.82
n-Hexane	0.78
Tert-butyl alcohol	0.97
Tetrachloroethene	1.9
Toluene	8.9
Trichlorofluoromethane	1.5
1,2,4-Trimethylbenzene	8.5
1,3,5-Trimethylbenzene	0.98
Xylenes (m&p)	9
Xylenes (o)	3.6
Xylenes - TOTAL	12.6

LEGEND

⊕ GW-1 - GROUNDWATER SAMPLE LOCATION

⊖ SV-1 - SOIL VAPOR SAMPLE LOCATION

● SB-1 - SOIL BORING LOCATION

0′ 30′ 60′

SCALE: 1"=60′

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

FIGURE 13 - SOIL VAPOR
RESULTS MAP - OCTOBER 2013
1825 BOSTON ROAD - BUILDING A
PORTION OF BLOCK 2984, LOT 46
BOROUGH OF BRONX, BRONX COUNTY, NEW YORK

DATE: 10/30/13	JOB NO.: 13BR171	SCALE: 1" = 60′

Table 1
Soil Analytical Data Summary – February 2011
Exceedances Only
1825 Boston Road, Bronx, NY

1826 Boston Road, Bronx NY				B-1	B-1	B-2	B-2	B-3	B-3	B-6	B-6	B-7	B-7	B-9	B-9
CAS#	**Compound**	**NYURU**	**NYRRU**	**0-2'**	**25'-26'**	**0-2'**	**22'-24'**	**0-2'**	**10'-12'**	**0-2'**	**6'-8'**	**0-2'**	**10.5'**	**0-2'**	**25.5'**
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)															
56-55-3	Benzo[a]anthracene	1	1	5.33	ND	6.49	ND	3.79	ND	7.38	ND	8.67	0.0832	4.05	22.5
50-32-8	Benzo[a]pyrene	1	1	5.23	ND	5.68	ND	3.52	ND	4.68	ND	5.93	0.0711	2.89	12.4
205-99-2	Benzo[b]fluoranthene	1	1	8.18	ND	8.58	ND	3.55	ND	3.56	ND	5.32	ND	2.22	13.2
207-08-9	Benzo[k]fluoranthene	0.8	3.9	7.09	ND	6.43	ND	3.58	ND	3.56	ND	5.89	ND	2.99	13
218-01-9	Chrysene	1	3.9	3.92	ND	7.04	ND	3.64	ND	5.89	ND	9.27	0.0859	3.99	21.8
53-70-3	Dibenzo(a,h)anthracene	0.33	0.33	1.95	ND	ND	ND	0.848	ND	0.502	ND	ND	ND	ND	ND
193-39-5	Indeno(1,2,3-cd)pyrene	0.5	0.5	3.3	ND	3.8	ND	1.7	ND	1.28	ND	1.52	ND	ND	ND
Total Mercury by SW846 7471 (mg/kg)															
7439-97-6	Mercury	0.18	0.81	ND		ND	ND	0.583	ND	ND	ND	ND	0.688	ND	0.486
Total Metals by EPA Method SW846 6010B (mg/kg)															
7440-38-2	Arsenic	13	16	3.81	3.79	5.85	3.4	7.87	1.29	14.8	6.75	5.98	2.94	6.26	5.45
7440-39-3	Barium	350	400	95.8	121	285	142	7.87	44.9	225	90.9	570	68.6	613	1,270
7440-47-3	Chromium	30	180	29.8	29.2	35	32.8	27.9	15.1	36	25.8	30.6	14.1	26.5	46.8
7440-50-8	Copper	50	270	29.2	32.9	171	28.3	265	11.7	990	80	68.9	255	69.4	73
7439-92-1	Lead	63	400	100	6.46	398	4.44	411	3.77	572	457	458	297	342	701
7440-02-0	Nickel	30	310	16.6	37.7	23.2	32.6	39.1	16.1	44	17.3	16.2	14.9	16.1	39.5
7782-49-2	Selenium	3.9	180	0.945	2.44	1.56	1.44	2.21	0.888	5.18	4.87	4.87	2.65	2.45	1.88
7440-66-6	Zinc	109	10,000	114	64.3	298	63	1,750	39	2,010	177	454	91.4	445	1,720

NYURU = NY Unrestricted Use Soil Cleanup Objective
NYRRU = NY Restricted Residential Use Soil Cleanup Objective
RED = exceeds NYURU
exceeds NYRRU
ND - Not Detected

Table 2
Soil Analytical Data Summary – October 2013
1825 Boston Road, Bronx, NY

Work Order 1301857				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC				1301857-01		1301857-01RE1		1301857-02		1301857-03		1301857-03RE1		1301857-04		1301857-04RE1		1301857-05		1301857-06		1301857-07		1301857-07RE1		1301857-08		1301857-08RE1	
Client: JOY CONSTRUCTION CORP. - Crotona Terrace				SB-1A		SB-1A		SB-1B		SB-2A		SB-2A		SB-2B		SB-2B		SB-3A		SB-3B		SB-4A		SB-4A		SB-4B		SB-4B	
CAS#	Compound	NYURU	NYRRU	10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13	
EPA Method SW846 8081/8082 (mg/kg)																													
72-54-8	4,4'-DDD	0.0033	13	0.00150	U			0.00157	U	0.00139	U			**0.0438**		0.00683	U	0.00140	U	0.00143	U	0.00141	U			0.00140	U		
72-55-9	4,4'-DDE	0.0033	8.9	0.00150	U			0.00157	U	0.00139	U			**0.0456**	P	0.00683	U	0.00140	U	0.00143	U	**0.0339**				**0.0144**			
50-29-3	4,4'-DDT	0.0033	7.9	0.00150	U			0.00157	U	0.00139	U			**0.151**	PE	**0.127**	D	0.00140	U	0.00143	U	0.00141	U			0.00140	U		
309-00-2	Aldrin	0.005	0.097	0.000743	U			0.000781	U	0.000688	U			0.000678	U	0.00339	U	0.000697	U	0.000712	U	0.000700	U			0.000695	U		
319-84-6	alpha-BHC	0.02	0.48	0.000743	U			0.000781	U	0.000688	U			0.000678	U	0.00339	U	0.000697	U	0.000712	U	0.000700	U			0.000695	U		
5103-71-9	alpha-Chlordane	0.094	4.2	0.000743	U			0.000781	U	0.000688	U			0.000678	U	0.00339	U	0.000697	U	0.000712	U	0.000700	U			0.000695	U		
12674-11-2	Aroclor-1016	NA	NA	0.0187	U			0.0196	U	0.0173	U			0.0170	U	0.0852	U	0.0175	U	0.0179	U	0.0176	U			0.0175	U		
11104-28-2	Aroclor-1221	NA	NA	0.0187	U			0.0196	U	0.0173	U			0.0170	U	0.0852	U	0.0175	U	0.0179	U	0.0176	U			0.0175	U		
11141-16-5	Aroclor-1232	NA	NA	0.0187	U			0.0196	U	0.0173	U			0.0170	U	0.0852	U	0.0175	U	0.0179	U	0.0176	U			0.0175	U		
53469-21-9	Aroclor-1242	NA	NA	0.0187	U			0.0196	U	0.0173	U			0.0170	U	0.0852	U	0.0175	U	0.0179	U	0.0176	U			0.0175	U		
12672-29-6	Aroclor-1248	NA	NA	0.0187	U			0.0196	U	0.0173	U			0.0170	U	0.0852	U	0.0175	U	0.0179	U	0.0176	U			0.0175	U		
11097-69-1	Aroclor-1254	NA	NA	0.0187	U			0.0196	U	0.0173	U			0.0170	U	0.0852	U	0.0175	U	0.0179	U	0.0176	U			0.0175	U		
11096-82-5	Aroclor-1260	NA	NA	0.0187	U			0.0196	U	0.0173	U			0.0170	U	0.0852	U	0.0175	U	0.0179	U	0.0176	U			0.0175	U		
37324-23-5	Aroclor-1262	NA	NA	0.0187	U			0.0196	U	0.0173	U			0.0170	U	0.0852	U	0.0175	U	0.0179	U	0.0176	U			0.0175	U		
11100-14-4	Aroclor-1268	NA	NA	0.0187	U			0.0196	U	0.0173	U			0.0170	U	0.0852	U	0.0175	U	0.0179	U	0.0176	U			0.0175	U		
319-85-7	beta-BHC	0.036	0.36	0.000743	U			0.000781	U	0.000688	U			0.000678	U	0.00339	U	0.000697	U	0.000712	U	0.000700	U			0.000695	U		
319-86-8	delta-BHC	0.04	500	0.000743	U			0.000781	U	0.000688	U			0.000678	U	0.00339	U	0.000697	U	0.000712	U	0.000700	U			0.000695	U		
60-57-1	Dieldrin	0.005	0.2	0.00150	U			0.00157	U	0.00139	U			0.00137	U	0.00683	U	0.00140	U	0.00143	U	0.00141	U			0.00140	U		
959-98-8	Endosulfan I	2.4	24	0.000743	U			0.000781	U	0.000688	U			0.000678	U	0.00339	U	0.000697	U	0.000712	U	0.000700	U			0.000695	U		
33213-65-9	Endosulfan II	2.4	24	0.00150	U			0.00157	U	0.00139	U			0.00137	U	0.00683	U	0.00140	U	0.00143	U	0.00141	U			0.00140	U		
1031-07-8	Endosulfan sulfate	2.4	24	0.00150	U			0.00157	U	0.00139	U			0.00137	U	0.00683	U	0.00140	U	0.00143	U	0.00141	U			0.00140	U		
72-20-8	Endrin	0.014	11	0.00150	U			0.00157	U	0.00139	U			0.00137	U	0.00683	U	0.00140	U	0.00143	U	0.00141	U			0.00140	U		
7421-93-4	Endrin aldehyde	NA	NA	0.00150	U			0.00157	U	0.00139	U			0.00137	U	0.00683	U	0.00140	U	0.00143	U	0.00141	U			0.00140	U		
53494-70-5	Endrin ketone	NA	NA	0.00150	U			0.00157	U	0.00139	U			0.00137	U	0.00683	U	0.00140	U	0.00143	U	0.00141	U			0.00140	U		
58-89-9	gamma-BHC [Lindane]	0.1	1.3	0.000743	U			0.000781	U	0.000688	U			0.000678	U	0.00339	U	0.000697	U	0.000712	U	0.000700	U			0.000695	U		
5566-34-7	gamma-Chlordane	NA	NA	0.000743	U			0.000781	U	0.000688	U			0.000678	U	0.00339	U	0.000697	U	0.000712	U	0.000700	U			0.000695	U		
76-44-8	Heptachlor	0.042	2.1	0.000743	U			0.000781	U	0.000688	U			0.000678	U	0.00339	U	0.000697	U	0.000712	U	0.000700	U			0.000695	U		
1024-57-3	Heptachlor Epoxide	NA	NA	0.000743	U			0.000781	U	0.000688	U			0.000678	U	0.00339	U	0.000697	U	0.000712	U	0.000700	U			0.000695	U		
72-43-5	Methoxychlor	NA	NA	0.00750	U			0.00788	U	0.00694	U			0.00684	U	0.0342	U	0.00703	U	0.00718	U	0.00706	U			0.00702	U		
8001-35-2	Toxaphene	NA	NA	0.0375	U			0.0394	U	0.0347	U			0.0342	U	0.171	U	0.0352	U	0.0359	U	0.0353	U			0.0351	U		
Herbicides by EPA Method SW846-8151 (mg/kg)																													
93-76-5	2,4,5-T	NA	NA	0.0113	U			0.0118	U	0.0104	U			0.0103	U			0.0106	U	0.0108	U	0.0106	U			0.0105	U		
93-72-1	2,4,5-TP (Silvex)	3.8	100	0.00113	U			0.00118	U	0.00104	U			0.00103	U			0.00106	U	0.00108	U	0.00106	U			0.00105	U		
94-75-7	2,4-D	NA	NA	0.0113	U			0.0118	U	0.0104	U			0.0103	U			0.0106	U	0.0108	U	0.0106	U			0.0105	U		
Semivolatile Organic Compounds EPA Method SW846 8270 (mg/kg)																													
120-82-1	1,2,4-Trichlorobenzene	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
95-50-1	1,2-Dichlorobenzene	1.1	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
541-73-1	1,3-Dichlorobenzene	2.4	49	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
106-46-7	1,4-Dichlorobenzene	1.8	13	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
95-95-4	2,4,5-Trichlorophenol	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
88-06-2	2,4,6-Trichlorophenol	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
120-83-2	2,4-Dichlorophenol	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
105-67-9	2,4-Dimethylphenol	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
51-28-5	2,4-Dinitrophenol	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U

Table 2
Soil Analytical Data Summary – October 2013
1825 Boston Road, Bronx, NY

Work Order 1301857				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC				**1301857-01**		**1301857-01RE1**		**1301857-02**		**1301857-03**		**1301857-03RE1**		**1301857-04**		**1301857-04RE1**		**1301857-05**		**1301857-06**		**1301857-07**		**1301857-07RE1**		**1301857-08**		**1301857-08RE1**	
Client: JOY CONSTRUCTION CORP. - Crotona Terrace				**SB-1A**		**SB-1A**		**SB-1B**		**SB-2A**		**SB-2A**		**SB-2B**		**SB-2B**		**SB-3A**		**SB-3B**		**SB-4A**		**SB-4A**		**SB-4B**		**SB-4B**	
CAS#	**Compound**	**NYURU**	**NYRRU**	**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**	
121-14-2	2,4-Dinitrotoluene	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
606-20-2	2,6-Dinitrotoluene	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
91-58-7	2-Chloronaphthalene	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
95-57-8	2-Chlorophenol	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
91-57-6	2-Methylnaphthylene	NA	NA	**0.0826**	J	0.375	U	0.0394	U	**0.124**	J	0.347	U	**0.119**	J	0.342	U	**0.0820**	J	0.0359	U	**0.211**		0.706	U	**0.112**	J	0.351	U
95-48-7	2-Methylphenol	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
88-74-4	2-Nitroaniline	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
88-75-5	2-Nitrophenol	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
106-44-5	3 & 4-Methylphenol	NA	NA	0.0375	U	0.375	U	0.0394	U	**0.0455**	J	0.347	U	**0.0404**	J	0.342	U	**0.419**		0.0359	U	**0.0463**	J	0.706	U	0.0351	U	0.351	U
91-94-1	3,3'-Dichlorobenzidine	NA	NA	0.0935	U	0.935	U	0.0982	U	0.0865	U	0.865	U	0.0852	U	0.852	U	0.0876	U	0.0895	U	0.0880	U	1.76	U	0.0875	U	0.875	U
99-09-2	3-Nitroaniline	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
101-55-3	4-Bromophenyl-phenylether	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
59-50-7	4-Chloro-3-methylphenol	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
106-47-8	4-Chloroaniline	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
100-01-6	4-Nitroaniline	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
100-02-7	4-Nitrophenol	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
83-32-9	Acenaphthene	20	100	**0.303**		0.375	U	0.0394	U	**0.550**		**0.389**	JD	**0.696**		**0.476**	JD	**0.0912**	J	0.0359	U	**1.44**		**1.15**	JD	**0.611**		**0.418**	JD
208-96-8	Acenaphthylene	100	100	**0.327**		0.375	U	0.0394	U	**0.643**		**0.490**	JD	**0.984**		**0.739**	JD	**0.0563**	J	0.0359	U	**0.633**		0.706	U	**0.267**		0.351	U
120-12-7	Anthracene	100	100	**1.43**		**1.13**	JD	0.0394	U	**1.98**		**1.62**	JD	**2.03**		**1.66**	JD	**0.0915**	J	0.0359	U	**3.98**		**3.70**	D	**1.76**		**1.38**	JD
56-55-3	Benzo[a]anthracene	1	1	**5.95**	E	**5.32**	D	0.0394	U	**9.32**	E	**7.77**	D	**10.4**	E	**8.38**	D	**0.195**		0.0359	U	**17.6**	E	**16.1**	D	**7.55**	E	**6.36**	D
50-32-8	Benzo[a]pyrene	1	1	**6.56**	E	**5.12**	D	0.0394	U	**9.48**	E	**7.66**	D	**10.3**	E	**8.62**	D	**0.230**		**0.0428**	J	**16.4**	E	**15.7**	D	**7.10**	E	**6.16**	D
205-99-2	Benzo[b]fluoranthene	1	1	**9.74**	E	**7.35**	D	0.0394	U	**13.4**	E	**9.04**	D	**13.0**	E	**11.9**	D	**0.336**		**0.0431**	J	**19.5**	E	**19.8**	D	**8.38**	E	**7.39**	D
191-24-2	Benzo[ghi]perylene	100	100	**2.04**		**1.22**	JD	0.0394	U	**4.04**		**2.43**	D	**6.81**	E	**2.08**	D	**0.259**		0.0359	U	**12.8**	E	**3.63**	D	**4.36**	E	**1.46**	JD
207-08-9	Benzo[k]fluoranthene	0.8	3.9	**6.97**	E	**4.73**	D	0.0394	U	**9.33**	E	**6.75**	D	**9.49**	E	**7.65**	D	**0.210**		0.0359	U	**14.7**	E	**18.1**	D	**7.73**	E	**7.15**	D
65-85-0	Benzoic acid	NA	NA	0.0935	U	0.935	U	0.0982	U	0.0865	U	0.865	U	0.0852	U	0.852	U	0.0876	U	0.0895	U	0.0880	U	1.76	U	0.0875	U	0.875	U
100-51-6	Benzyl alcohol	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
111-91-1	bis(2-chloroethoxy)methane	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
111-44-4	bis(2-chloroethyl)ether	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
39638-32-9	bis(2-chloroisopropyl)ether	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
117-81-7	bis(2-ethylhexyl)phthalate	NA	NA	**2.96**		**1.13**	JD	**0.279**		**0.955**		0.347	U	**0.477**		0.342	U	**0.312**		0.0359	U	**28.6**	E	**9.63**	D	**0.357**		0.351	U
85-68-7	Butylbenzylphthalate	NA	NA	0.0375	U	0.375	U	0.0394	U	**0.461**		0.347	U	**0.106**	J	0.342	U	**0.454**		0.0359	U	**0.284**		0.706	U	0.0351	U	0.351	U
218-01-9	Chrysene	1	3.9	**6.07**	E	**5.31**	D	0.0394	U	**9.74**	E	**8.53**	D	**11.2**	E	**9.34**	D	**0.265**		0.0359	U	**18.5**	E	**17.0**	D	**7.95**	E	**6.61**	D
84-74-2	Di-n-butyl phthalate	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	**0.0376**	J	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
117-84-0	Di-n-octyl phthalate	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	**0.138**	J	0.0353	U	0.706	U	0.0351	U	0.351	U
53-70-3	Dibenzo(a,h)anthracene	0.33	0.33	**0.957**		**0.713**	JD	0.0394	U	**1.80**		**1.25**	JD	**2.88**		**1.11**	JD	**0.0482**	J	0.0359	U	**5.30**	E	**2.04**	JD	**1.91**		**0.878**	JD
132-64-9	Dibenzofuran	7	59	**0.225**		0.375	U	0.0394	U	**0.289**		0.347	U	**0.328**		0.342	U	**0.0644**	J	0.0359	U	**0.713**		0.706	U	**0.324**		0.351	U
84-66-2	Diethyl phthalate	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
131-11-3	Dimethylphthalate	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
206-44-0	Fluoranthene	100	100	**5.27**	E	**10.3**	D	0.0394	U	**10.1**	E	**14.9**	D	**8.59**	E	**15.6**	D	**0.248**		0.0359	U	**12.9**	E	**29.6**	D	**6.97**	E	**12.4**	D
86-73-7	Fluorene	30	100	**0.312**		0.375	U	0.0394	U	**0.684**		**0.458**	JD	**0.705**		**0.476**	JD	**0.0799**	J	0.0359	U	**1.30**		**0.990**	JD	**0.598**		**0.390**	JD
118-74-1	Hexachlorobenzene	0.33	1.2	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
87-68-3	Hexachlorobutadiene	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
77-47-4	Hexachlorocyclopentadiene	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U

Table 2
Soil Analytical Data Summary – October 2013
1825 Boston Road, Bronx, NY

Work Order 1301857				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC				1301857-01		1301857-01RE1		1301857-02		1301857-03		1301857-03RE1		1301857-04		1301857-04RE1		1301857-05		1301857-06		1301857-07		1301857-07RE1		1301857-08		1301857-08RE1	
Client: JOY CONSTRUCTION CORP. - Crotona Terrace				SB-1A		SB-1A		SB-1B		SB-2A		SB-2A		SB-2B		SB-2B		SB-3A		SB-3B		SB-4A		SB-4A		SB-4B		SB-4B	
CAS#	Compound	NYURU	NYRRU	10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13		10/15/13	
67-72-1	Hexachloroethane	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.5	0.5	**2.08**		**1.42**	JD	0.0394	U	**3.66**		**2.63**	D	**5.74**	E	**2.27**	D	**0.193**		0.0359	U	**10.7**	E	**4.09**	D	**3.79**		**1.67**	JD
78-59-1	Isophorone	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
621-64-7	N-Nitroso-di-n-propylamine	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
62-75-9	N-Nitrosodimethylamine	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
86-30-6	N-Nitrosodiphenylamine	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
91-20-3	Naphthalene	12	100	**0.0908**	J	0.375	U	0.0394	U	**0.224**		0.347	U	**0.189**		0.342	U	**0.0605**	J	0.0359	U	**0.332**		0.706	U	**0.108**	J	0.351	U
98-95-3	Nitrobenzene	NA	NA	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
87-86-5	Pentachlorophenol	0.8	6.7	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
85-01-8	Phenanthrene	100	100	**5.37**	E	**4.85**	D	0.0394	U	**7.61**	E	**7.16**	D	**8.15**	E	**7.60**	D	**0.331**		0.0359	U	**14.1**	E	**15.5**	D	**6.81**	E	**6.17**	D
108-95-2	Phenol	0.33	100	0.0375	U	0.375	U	0.0394	U	0.0347	U	0.347	U	0.0342	U	0.342	U	0.0352	U	0.0359	U	0.0353	U	0.706	U	0.0351	U	0.351	U
129-00-0	Pyrene	100	100	**20.6**	E	**9.30**	D	0.0394	U	**28.6**	E	**15.6**	D	**42.3**	E	**18.7**	D	**1.39**		**0.193**		**73.6**	E	**36.3**	D	**30.5**	E	**13.5**	D
Total Mercury by SW846 7471 (mg/kg)																													
7439-97-6	Mercury	0.18	0.81	**0.202**				**0.0911**		**0.430**				**0.244**				**0.173**		0.0809	U	**0.239**				**0.273**			
Total Metals by EPA Method SW846 6010B (mg/kg)																													
7429-90-5	Aluminum	NA	NA	**9180**				**11900**		**8290**				**5800**				**7400**		**9280**		**9640**				**8400**			
7440-36-0	Antimony	NA	NA	6.76	U			7.10	U	6.25	U			6.16	U			6.34	U	6.47	U	6.36	U			6.32	U		
7440-38-2	Arsenic	13	16	**6.65**				**2.74**		**5.97**				**4.62**				**5.28**		**3.03**		**6.24**				**10.5**			
7440-39-3	Barium	350	400	**168**				**98.7**		**358**				**807**				**85.1**		**48.6**		**228**				**138**			
7440-41-7	Beryllium	7.2	72	0.563	U			0.592	U	0.521	U			0.513	U			0.528	U	0.539	U	0.530	U			0.527	U		
7440-43-9	Cadmium	2.5	4.3	**1.18**				**0.594**		**1.31**				**0.947**				**1.06**		0.539	U	**1.65**				**2.32**			
7440-70-2	Calcium	NA	NA	**28000**				**34300**		**22300**				**42200**	D			**7450**		**1140**		**29200**				**60300**	D		
7440-47-3	Chromium	30	180	**35.2**				**27.6**		**34.2**				**18.4**				**21.2**		**18.4**		**46.4**				**45.9**			
7440-48-4	Cobalt	NA	NA	**8.38**				**6.02**		**7.78**				**6.49**				**6.63**		**9.25**		**9.93**				**6.94**			
7440-50-8	Copper	50	270	**102**				**19.0**		**93.9**				**26.1**				**104**		**18.7**		**88.5**				**52.0**			
7439-89-6	Iron	NA	NA	**14500**				**13300**		**15400**				**11300**				**18800**		**15400**		**20100**				**36600**	D		
7439-92-1	Lead	63	400	**297**				**24.2**		**312**				**204**				**223**		**10.2**		**314**				**333**			
7439-95-4	Magnesium	NA	NA	**4880**				**4790**		**5540**				**5410**				**5030**		**3170**		**7480**				**7370**			
7439-96-5	Manganese	1600	2000	**258**				**191**		**269**				**254**				**201**		**195**		**332**				**358**			
7440-02-0	Nickel	30	310	**14.0**				**12.4**		**17.1**				**14.1**				**15.1**		**14.9**		**17.3**				**16.9**			
7440-09-7	Potassium	NA	NA	**1140**				**1370**		**1970**				**1450**				**936**		**2200**		**4220**				**1520**			
7782-49-2	Selenium	3.9	180	4.50	U			4.73	U	4.17	U			4.11	U			4.22	U	4.31	U	4.24	U			4.21	U		
7440-22-4	Silver	2	180	**1.46**				1.18	U	**1.69**				**1.25**				**2.08**		**1.52**		**2.15**				**2.78**			
7440-23-5	Sodium	NA	NA	**965**				**318**		**446**				**267**				**145**		**296**		**498**				**509**			
7440-28-0	Thallium	NA	NA	1.69	U			1.78	U	1.56	U			1.54	U			1.58	U	1.62	U	1.59	U			1.58	U		
7440-62-2	Vanadium	NA	NA	**27.9**				**23.6**		**25.0**				**23.8**				**28.1**		**26.7**		**31.8**				**24.7**			
7440-66-6	Zinc	109	10000	**742**				**29.4**		**535**				**390**				**132**		**27.7**		**431**				**350**			
Volatile Organic Compounds EPA Method SW846 8260 (mg/kg)																													
630-20-6	1,1,1,2-Tetrachloroethane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
71-55-6	1,1,1-Trichloroethane	0.68	100	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
79-34-5	1,1,2,2-Tetrachloroethane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
79-00-5	1,1,2-Trichloroethane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
75-34-3	1,1-Dichloroethane	0.27	26	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
75-35-4	1,1-Dichloroethene	0.33	100	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
563-58-6	1,1-Dichloropropene	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		

Table 2
Soil Analytical Data Summary – October 2013
1825 Boston Road, Bronx, NY

Work Order 1301857				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC				**1301857-01**		**1301857-01RE1**		**1301857-02**		**1301857-03**		**1301857-03RE1**		**1301857-04**		**1301857-04RE1**		**1301857-05**		**1301857-06**		**1301857-07**		**1301857-07RE1**		**1301857-08**		**1301857-08RE1**	
Client: JOY CONSTRUCTION CORP. - Crotona Terrace				**SB-1A**		**SB-1A**		**SB-1B**		**SB-2A**		**SB-2A**		**SB-2B**		**SB-2B**		**SB-3A**		**SB-3B**		**SB-4A**		**SB-4A**		**SB-4B**		**SB-4B**	
CAS#	**Compound**	**NYURU**	**NYRRU**	**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**	
87-61-6	1,2,3-Trichlorobenzene	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
96-18-4	1,2,3-Trichloropropane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
120-82-1	1,2,4-Trichlorobenzene	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
95-63-6	1,2,4-Trimethylbenzene	3.6	52	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
96-12-8	1,2-Dibromo-3-chloropropane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
106-93-4	1,2-Dibromoethane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
95-50-1	1,2-Dichlorobenzene	1.1	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
107-06-2	1,2-Dichloroethane	0.02	3.1	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
78-87-5	1,2-Dichloropropane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
108-67-8	1,3,5-Trimethylbenzene	8.4	52	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
541-73-1	1,3-Dichlorobenzene	2.4	49	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
142-28-9	1,3-Dichloropropane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
106-46-7	1,4-Dichlorobenzene	1.8	13	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
590-20-7	2,2-Dichloropropane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
78-93-3	2-Butanone	NA	NA	0.00182	U			**0.0283**		0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			**0.00978**			
110-75-8	2-Chloroethyl vinyl ether	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
95-49-8	2-Chlorotoluene	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
591-78-6	2-Hexanone	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
106-43-4	4-Chlorotoluene	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
108-10-1	4-Methyl-2-pentanone	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
67-64-1	Acetone	0.05	100	**0.0136**	B			**0.0960**	B	**0.00851**	B			**0.00538**	B			**0.00592**	B	**0.00555**	B	**0.00159**	J			**0.0519**	B		
107-02-8	Acrolein	NA	NA	0.0109	U			0.00866	U	0.00977	U			0.00770	U			0.00556	U	0.00611	U	0.00636	U			0.00930	U		
107-13-1	Acrylonitrile	NA	NA	0.00363	U			0.00289	U	0.00326	U			0.00257	U			0.00185	U	0.00204	U	0.00212	U			0.00310	U		
71-43-2	Benzene	0.06	4.8	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
108-86-1	Bromobenzene	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
74-97-5	Bromochloromethane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
75-27-4	Bromodichloromethane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
75-25-2	Bromoform	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
74-83-9	Bromomethane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
75-15-0	Carbon disulfide	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
56-23-5	Carbon Tetrachloride	0.76	2.4	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
108-90-7	Chlorobenzene	1.1	100	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
75-00-3	Chloroethane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
67-66-3	Chloroform	0.37	49	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
74-87-3	Chloromethane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
156-59-4	cis-1,2-Dichloroethene	0.25	100	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
10061-01-5	cis-1,3-Dichloropropene	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
110-82-7	Cyclohexane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
124-48-1	Dibromochloromethane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
74-95-3	Dibromomethane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
75-71-8	Dichlorodifluoromethane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
100-41-4	Ethylbenzene	1	41	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
76-13-1	Freon 113	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
87-68-3	Hexachlorobutadiene	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
98-82-8	Isopropylbenzene	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		

Table 2
Soil Analytical Data Summary – October 2013
1825 Boston Road, Bronx, NY

Work Order 1301857				Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC				**1301857-01**		**1301857-01RE1**		**1301857-02**		**1301857-03**		**1301857-03RE1**		**1301857-04**		**1301857-04RE1**		**1301857-05**		**1301857-06**		**1301857-07**		**1301857-07RE1**		**1301857-08**		**1301857-08RE1**	
Client: JOY CONSTRUCTION CORP. - Crotona Terrace				**SB-1A**		**SB-1A**		**SB-1B**		**SB-2A**		**SB-2A**		**SB-2B**		**SB-2B**		**SB-3A**		**SB-3B**		**SB-4A**		**SB-4A**		**SB-4B**		**SB-4B**	
CAS#	**Compound**	**NYURU**	**NYRRU**	**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**	
108-38-3/106-42-3	m,p-Xylenes	0.26	100	0.00363	U			0.00289	U	0.00326	U			0.00257	U			0.00185	U	0.00204	U	0.00212	U			0.00310	U		
79-20-9	Methyl Acetate	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
1634-04-4	Methyl tert-Butyl Ether	0.93	100	0.00363	U			0.00289	U	0.00326	U			0.00257	U			0.00185	U	0.00204	U	0.00212	U			0.00310	U		
108-87-2	Methylcyclohexane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
75-09-2	Methylene Chloride	0.05	100	**0.00251**	J			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	**0.0164**				0.00155	U		
104-51-8	n-Butyl Benzene	12	100	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
103-65-1	n-Propyl Benzene	3.9	100	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
95-47-6	o-Xylene	0.26	100	0.00363	U			0.00289	U	0.00326	U			0.00257	U			0.00185	U	0.00204	U	0.00212	U			0.00310	U		
99-87-6	p-Isopropyltoluene	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
135-98-8	sec-Butylbenzene	11	100	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			**0.00195**	J		
100-42-5	Styrene	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
75-65-0	t-Butyl alcohol	NA	NA	0.00908	U			0.00722	U	0.00814	U			0.00642	U			0.00463	U	0.00509	U	0.00530	U			0.00775	U		
98-06-6	tert-Butylbenzene	5.9	100	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
127-18-4	Tetrachloroethene	1.3	19	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
108-88-3	Toluene	0.7	100	**0.00703**				**0.00240**	J	**0.0283**				0.00128	U			0.000926	U	0.00102	U	0.00106	U			**0.0231**			
156-60-5	trans-1,2-Dichloroethene	0.19	100	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
10061-02-6	trans-1,3-Dichloropropene	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
79-01-6	Trichloroethene	0.47	21	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
75-69-4	Trichlorofluoromethane	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
108-05-4	Vinyl acetate	NA	NA	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
75-01-4	Vinyl chloride	0.02	0.9	0.00182	U			0.00144	U	0.00163	U			0.00128	U			0.000926	U	0.00102	U	0.00106	U			0.00155	U		
Wet Chemistry (%)																													
	Percent Solids	NA	NA	**88.8**				**84.5**		**96.0**				**97.4**				**94.7**		**92.7**		**94.3**				**94.9**			
Wet Chemistry (mg/kg)																													
	Cyanide (total)	27	27	1.13	U			1.18	U	1.04	U			1.03	U			1.06	U	1.08	U	1.06	U			1.05	U		

NYURU = NY Unrestricted Use Soil Cleanup Objective
NYRRU = NY Restricted Residential Use Soil Cleanup Objective
RED = exceeds NYURU
exceeds NYRRU
Q = Qualifier
Qualifiers:
B - Indicates compound found in associated blank
D - Indicates result is based on a dilution
H - Alternate peak selection upon analytical review
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected
P - This flag is used for a pesticide/aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported.
NA - Not Available

Table 3
Groundwater Analytical Data Summary - February 2011
1825 Boston Road, Bronx, NY

CAS#	Compound	NYSGWS	MW-1 Dissolved	MW-1	TW-2 Dissolved	TW-2
7429-90-5	Aluminum	100	ND	**575**	ND	**1030**
7440-48-4	Cobalt	5	**7**	**8**	ND	ND
7439-89-6	Iron	300	**333**	**2930**	**25**	**1730**
7439-95-4	Magnesium	35000	**73400**	**71500**	**72400**	**71600**
7439-96-5	Manganese	300	**2620**	**2610**	**596**	**633**
7440-23-5	Sodium	20000	**161000**	**161000**	**273000**	**274000**

NYSGWS = New York State 6NYCRR Part 703.5 Class GA groundwater standards
RED - Indicates result exceeds NYSGWS

Table 4
Groundwater Analytical Data Summary – October 2013
1825 Boston Road, Bronx, NY

Work Order 1301858			Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC			**1301858-01**		**1301858-02**		**1301858-03**		**1301858-04**	
JOY CONSTRUCTION CORP. - Crotona Terrace			**GW-1**		**GW-2**		**GW-3**		**TB**	
CAS#	**Compound**	**NYSGWS**	**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**	
Dissolved Metals by EPA Method SW846 6010B (ug/L)										
7429-90-5	Aluminum (diss)	100	200	U	200	U	200	U		
7440-36-0	Antimony (diss)	3	5.00	U	5.00	U	5.00	U		
7440-38-2	Arsenic (diss)	25	3.00	U	3.00	U	3.00	U		
7440-39-3	Barium (diss)	1000	**58.6**		**111**		**65.1**			
7440-41-7	Beryllium (diss)	3	1.00	U	1.00	U	1.00	U		
7440-43-9	Cadmium (diss)	5	4.00	U	4.00	U	4.00	U		
7440-70-2	Calcium (diss)	NA	**142000**		**190000**		**61900**			
7440-47-3	Chromium (diss)	50	10.0	U	10.0	U	10.0	U		
7440-48-4	Cobalt (diss)	5	10.0	U	10.0	U	10.0	U		
7440-50-8	Copper (diss)	200	10.0	U	10.0	U	10.0	U		
7439-89-6	Iron (diss)	300	300	U	300	U	300	U		
7439-92-1	Lead (diss)	25	**9.80**		5.00	U	5.00	U		
7439-95-4	Magnesium (diss)	35000	**114000**		**114000**		**43900**			
7439-96-5	Manganese (diss)	300	**2470**		**3500**		**1180**			
7440-02-0	Nickel (diss)	100	10.0	U	10.0	U	10.0	U		
7440-09-7	Potassium (diss)	NA	**6080**		**8280**		**5190**			
7782-49-2	Selenium (diss)	10	10.0	U	10.0	U	10.0	U		
7440-22-4	Silver (diss)	50	5.00	U	5.00	U	5.00	U		
7440-23-5	Sodium (diss)	20000	**168000**		**98300**		**171000**			
7440-28-0	Thallium (diss)	8	**2.41**		2.00	U	2.00	U		
7440-62-2	Vanadium (diss)	14	10.0	U	10.0	U	10.0	U		
7440-66-6	Zinc (diss)	66	25.0	U	25.0	U	25.0	U		
EPA Method SW846 8081/8082 (ug/L)										
72-54-8	4,4'-DDD	0.3	0.00833	U	0.00870	U	0.00851	U		
72-55-9	4,4'-DDE	0.2	0.00833	U	0.00870	U	0.00851	U		
50-29-3	4,4'-DDT	0.2	0.00833	U	0.00870	U	0.00851	U		
309-00-2	Aldrin	NA	0.00417	U	0.00435	U	0.00426	U		
319-84-6	alpha-BHC	0.01	0.00417	U	0.00435	U	0.00426	U		
5103-71-9	alpha-Chlordane	0.05	0.00417	U	0.00435	U	0.00426	U		
12674-11-2	Aroclor-1016	NA	0.104	U	0.109	U	0.106	U		
11104-28-2	Aroclor-1221	NA	0.104	U	0.109	U	0.106	U		
11141-16-5	Aroclor-1232	NA	0.104	U	0.109	U	0.106	U		
53469-21-9	Aroclor-1242	NA	0.104	U	0.109	U	0.106	U		
12672-29-6	Aroclor-1248	NA	0.104	U	0.109	U	0.106	U		
11097-69-1	Aroclor-1254	NA	0.104	U	0.109	U	0.106	U		
11096-82-5	Aroclor-1260	NA	0.104	U	0.109	U	0.106	U		
37324-23-5	Aroclor-1262	NA	0.104	U	0.109	U	0.106	U		
11100-14-4	Aroclor-1268	NA	0.104	U	0.109	U	0.106	U		
319-85-7	beta-BHC	0.04	0.00417	U	0.00435	U	0.00426	U		
319-86-8	delta-BHC	0.04	0.00417	U	0.00435	U	0.00426	U		
60-57-1	Dieldrin	0.004	0.00833	U	0.00870	U	0.00851	U		
959-98-8	Endosulfan I	NA	0.00417	U	0.00435	U	0.00426	U		
33213-65-9	Endosulfan II	NA	0.00833	U	0.00870	U	0.00851	U		
1031-07-8	Endosulfan sulfate	NA	0.00833	U	0.00870	U	0.00851	U		
72-20-8	Endrin	NA	0.00833	U	0.00870	U	0.00851	U		
7421-93-4	Endrin aldehyde	5	0.00833	U	0.00870	U	0.00851	U		
53494-70-5	Endrin ketone	5	0.00833	U	0.00870	U	0.00851	U		

Table 4
Groundwater Analytical Data Summary – October 2013
1825 Boston Road, Bronx, NY

Work Order 1301858			Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC			**1301858-01**		**1301858-02**		**1301858-03**		**1301858-04**	
JOY CONSTRUCTION CORP. - Crotona Terrace			**GW-1**		**GW-2**		**GW-3**		**TB**	
CAS#	**Compound**	**NYSGWS**	**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**	
58-89-9	gamma-BHC [Lindane]	0.05	0.00417	U	0.00435	U	0.00426	U		
5566-34-7	gamma-Chlordane	0.05	0.00417	U	0.00435	U	0.00426	U		
76-44-8	Heptachlor	0.04	0.00417	U	0.00435	U	0.00426	U		
1024-57-3	Heptachlor Epoxide	0.03	0.00417	U	0.00435	U	0.00426	U		
72-43-5	Methoxychlor	35	0.0417	U	0.0435	U	0.0426	U		
8001-35-2	Toxaphene	0.06	0.208	U	0.217	U	0.213	U		
Semivolatile Organic Compounds EPA Method SW846 8270 (ug/L)										
120-82-1	1,2,4-Trichlorobenzene	5	0.543	U	0.505	U	0.543	U		
95-50-1	1,2-Dichlorobenzene	3	0.543	U	0.505	U	0.543	U		
541-73-1	1,3-Dichlorobenzene	3	0.543	U	0.505	U	0.543	U		
106-46-7	1,4-Dichlorobenzene	3	0.543	U	0.505	U	0.543	U		
95-95-4	2,4,5-Trichlorophenol	NA	0.543	U	0.505	U	0.543	U		
88-06-2	2,4,6-Trichlorophenol	NA	0.543	U	0.505	U	0.543	U		
120-83-2	2,4-Dichlorophenol	1	0.543	U	0.505	U	0.543	U		
105-67-9	2,4-Dimethylphenol	1	0.543	U	0.505	U	0.543	U		
51-28-5	2,4-Dinitrophenol	1	1.09	U	1.01	U	1.09	U		
121-14-2	2,4-Dinitrotoluene	5	0.543	U	0.505	U	0.543	U		
606-20-2	2,6-Dinitrotoluene	5	0.543	U	0.505	U	0.543	U		
91-58-7	2-Chloronaphthalene	10	0.543	U	0.505	U	0.543	U		
95-57-8	2-Chlorophenol	1	0.543	U	0.505	U	0.543	U		
91-57-6	2-Methylnaphthylene	NA	0.543	U	0.505	U	0.543	U		
95-48-7	2-Methylphenol	1	0.543	U	0.505	U	0.543	U		
88-74-4	2-Nitroaniline	5	0.543	U	0.505	U	0.543	U		
88-75-5	2-Nitrophenol	1	0.543	U	0.505	U	0.543	U		
106-44-5	3 & 4-Methylphenol	1	0.543	U	0.505	U	0.543	U		
91-94-1	3,3'-Dichlorobenzidine	5	0.543	U	0.505	U	0.543	U		
99-09-2	3-Nitroaniline	5	0.543	U	0.505	U	0.543	U		
534-52-1	4,6-Dinitro-2-methylphenol	1	0.543	U	0.505	U	0.543	U		
101-55-3	4-Bromophenyl-phenylether	NA	0.543	U	0.505	U	0.543	U		
59-50-7	4-Chloro-3-methylphenol	1	0.543	U	0.505	U	0.543	U		
106-47-8	4-Chloroaniline	5	0.543	U	0.505	U	0.543	U		
7005-72-3	4-Chlorophenyl-phenylether	NA	0.543	U	0.505	U	0.543	U		
100-01-6	4-Nitroaniline	5	0.543	U	0.505	U	0.543	U		
100-02-7	4-Nitrophenol	1	0.543	U	0.505	U	0.543	U		
83-32-9	Acenaphthene	20	0.543	U	0.505	U	0.543	U		
208-96-8	Acenaphthylene	NA	0.543	U	0.505	U	0.543	U		
120-12-7	Anthracene	NA	0.543	U	0.505	U	0.543	U		
56-55-3	Benzo[a]anthracene	0.002	0.109	U	0.101	U	0.109	U		
50-32-8	Benzo[a]pyrene	NA	0.109	U	0.101	U	0.109	U		
205-99-2	Benzo[b]fluoranthene	0.002	0.217	U	0.202	U	0.217	U		
191-24-2	Benzo[ghi]perylene	NA	0.109	U	0.101	U	0.109	U		
207-08-9	Benzo[k]fluoranthene	NA	0.543	U	0.505	U	0.543	U		
65-85-0	Benzoic acid	NA	2.17	U	2.02	U	2.17	U		
100-51-6	Benzyl alcohol	NA	0.543	U	0.505	U	0.543	U		
111-91-1	bis(2-chloroethoxy)methane	5	0.543	U	0.505	U	0.543	U		
111-44-4	bis(2-chloroethyl)ether	1	0.543	U	0.505	U	0.543	U		
39638-32-9	bis(2-chloroisopropyl)ether	NA	0.543	U	0.505	U	0.543	U		
117-81-7	bis(2-ethylhexyl)phthalate	5	0.543	U	0.505	U	0.543	U		

Table 4
Groundwater Analytical Data Summary – October 2013
1825 Boston Road, Bronx, NY

Work Order 1301858			Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC			**1301858-01**		**1301858-02**		**1301858-03**		**1301858-04**	
JOY CONSTRUCTION CORP. - Crotona Terrace			**GW-1**		**GW-2**		**GW-3**		**TB**	
CAS#	**Compound**	**NYSGWS**	**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**	
85-68-7	Butylbenzylphthalate	50	0.543	U	0.505	U	0.543	U		
218-01-9	Chrysene	0.002	0.109	U	0.101	U	0.109	U		
84-74-2	Di-n-butyl phthalate	50	0.543	U	0.505	U	0.543	U		
117-84-0	Di-n-octyl phthalate	50	0.543	U	0.505	U	0.543	U		
53-70-3	Dibenzo(a,h)anthracene	NA	0.217	U	0.202	U	0.217	U		
132-64-9	Dibenzofuran	NA	0.543	U	0.505	U	0.543	U		
84-66-2	Diethyl phthalate	NA	0.543	U	0.505	U	0.543	U		
131-11-3	Dimethylphthalate	50	0.543	U	0.505	U	0.543	U		
206-44-0	Fluoranthene	50	0.543	U	0.505	U	0.543	U		
86-73-7	Fluorene	50	0.543	U	0.505	U	0.543	U		
118-74-1	Hexachlorobenzene	0.04	0.543	U	0.505	U	0.543	U		
87-68-3	Hexachlorobutadiene	0.5	0.543	U	0.505	U	0.543	U		
77-47-4	Hexachlorocyclopentadiene	5	0.543	U	0.505	U	0.543	U		
67-72-1	Hexachloroethane	5	0.543	U	0.505	U	0.543	U		
193-39-5	Indeno(1,2,3-cd)pyrene	0.002	0.543	U	0.505	U	0.543	U		
78-59-1	Isophorone	50	0.543	U	0.505	U	0.543	U		
621-64-7	N-Nitroso-di-n-propylamine	NA	0.543	U	0.505	U	0.543	U		
62-75-9	N-Nitrosodimethylamine	NA	0.543	U	0.505	U	0.543	U		
86-30-6	N-Nitrosodiphenylamine	50	0.543	U	0.505	U	0.543	U		
91-20-3	Naphthalene	10	0.543	U	0.505	U	0.543	U		
98-95-3	Nitrobenzene	0.4	0.543	U	0.505	U	0.543	U		
87-86-5	Pentachlorophenol	1	0.543	U	0.505	U	0.543	U		
85-01-8	Phenanthrene	50	0.109	U	0.101	U	0.109	U		
108-95-2	Phenol	1	0.543	U	0.505	U	0.543	U		
129-00-0	Pyrene	50	0.543	U	0.505	U	0.543	U		
Total Mercury by SW846 7470 (ug/L)										
7439-97-6	Dissolved Mercury	0.7	0.500	U	0.500	U	0.500	U		
7439-97-6	Mercury	0.7	0.500	U	0.500	U	0.500	U		
Total Metals by EPA Method SW846 6010B (ug/L)										
7429-90-5	Aluminum	100	**413**		**243**		**2050**			
7440-36-0	Antimony	3	5.00	U	**16.6**		5.00	U		
7440-38-2	Arsenic	25	3.00	U	**16.6**		3.00	U		
7440-39-3	Barium	1000	**69.1**		**143**		**94.6**			
7440-41-7	Beryllium	3	1.00	U	**15.6**		1.00	U		
7440-43-9	Cadmium	5	4.00	U	4.00	U	4.00	U		
7440-70-2	Calcium	NA	**146000**		**201000**		**68700**			
7440-47-3	Chromium	50	10.0	U	10.0	U	10.0	U		
7440-48-4	Cobalt	5	10.0	U	10.0	U	10.0	U		
7440-50-8	Copper	200	10.0	U	10.0	U	**11.5**			
7439-89-6	Iron	300	**6520**		**9300**		**4160**			
7439-92-1	Lead	25	5.00	U	**5.19**		**7.26**			
7439-95-4	Magnesium	35000	**118000**		**120000**		**49100**			
7439-96-5	Manganese	300	**2620**		**3750**		**1340**			
7440-02-0	Nickel	100	10.0	U	10.0	U	**11.1**			
7440-09-7	Potassium	NA	**6440**		**8670**		**6620**			
7782-49-2	Selenium	10	10.0	U	10.0	U	10.0	U		
7440-22-4	Silver	50	5.00	U	5.00	U	5.00	U		
7440-23-5	Sodium	20000	**169000**		**101000**		**183000**			

Table 4
Groundwater Analytical Data Summary – October 2013
1825 Boston Road, Bronx, NY

Work Order 1301858			Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC			**1301858-01**		**1301858-02**		**1301858-03**		**1301858-04**	
JOY CONSTRUCTION CORP. - Crotona Terrace			**GW-1**		**GW-2**		**GW-3**		**TB**	
CAS#	**Compound**	**NYSGWS**	**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**	
7440-28-0	Thallium	8	**2.55**		**15.7**		2.00	U		
7440-62-2	Vanadium	14	10.0	U	10.0	U	10.0	U		
7440-66-6	Zinc	66	25.0	U	25.0	U	25.0	U		
Volatile Organic Compounds EPA Method SW846 8260 (ug/L)										
630-20-6	1,1,1,2-Tetrachloroethane	5	0.500	U	0.500	U	0.500	U	0.500	U
71-55-6	1,1,1-Trichloroethane	5	0.500	U	0.500	U	0.500	U	0.500	U
79-34-5	1,1,2,2-Tetrachloroethane	5	0.500	U	0.500	U	0.500	U	0.500	U
79-00-5	1,1,2-Trichloroethane	1	0.500	U	0.500	U	0.500	U	0.500	U
75-34-3	1,1-Dichloroethane	5	0.400	U	0.400	U	0.400	U	0.400	U
75-35-4	1,1-Dichloroethene	5	0.400	U	0.400	U	0.400	U	0.400	U
563-58-6	1,1-Dichloropropene	5	0.500	U	0.500	U	0.500	U	0.500	U
87-61-6	1,2,3-Trichlorobenzene	NA	0.500	U	0.500	U	0.500	U	0.500	U
96-18-4	1,2,3-Trichloropropane	0.04	0.500	U	0.500	U	0.500	U	0.500	U
120-82-1	1,2,4-Trichlorobenzene	5	0.500	U	0.500	U	0.500	U	0.500	U
95-63-6	1,2,4-Trimethylbenzene	5	0.500	U	0.500	U	0.500	U	0.500	U
96-12-8	1,2-Dibromo-3-chloropropane	0.04	0.500	U	0.500	U	0.500	U	0.500	U
106-93-4	1,2-Dibromoethane	0.0006	0.500	U	0.500	U	0.500	U	0.500	U
95-50-1	1,2-Dichlorobenzene	3	0.500	U	0.500	U	0.500	U	0.500	U
107-06-2	1,2-Dichloroethane	0.6	0.500	U	0.500	U	0.500	U	0.500	U
78-87-5	1,2-Dichloropropane	1	0.500	U	0.500	U	0.500	U	0.500	U
108-67-8	1,3,5-Trimethylbenzene	5	0.500	U	0.500	U	0.500	U	0.500	U
541-73-1	1,3-Dichlorobenzene	3	0.500	U	0.500	U	0.500	U	0.500	U
142-28-9	1,3-Dichloropropane	5	0.500	U	0.500	U	0.500	U	0.500	U
106-46-7	1,4-Dichlorobenzene	3	0.500	U	0.500	U	0.500	U	0.500	U
590-20-7	2,2-Dichloropropane	5	0.400	U	0.400	U	0.400	U	0.400	U
78-93-3	2-Butanone	50	0.500	U	0.500	U	0.500	U	0.500	U
110-75-8	2-Chloroethyl vinyl ether	50	0.500	U	0.500	U	0.500	U	0.500	U
95-49-8	2-Chlorotoluene	5	0.500	U	0.500	U	0.500	U	0.500	U
591-78-6	2-Hexanone	NA	0.500	U	0.500	U	0.500	U	0.500	U
106-43-4	4-Chlorotoluene	5	0.500	U	0.500	U	0.500	U	0.500	U
108-10-1	4-Methyl-2-pentanone	NA	0.500	U	0.500	U	0.500	U	0.500	U
67-64-1	Acetone	50	1.00	U	**3.12**	B	1.00	U	1.00	U
107-02-8	Acrolein	NA	6.00	U	6.00	U	6.00	U	6.00	U
107-13-1	Acrylonitrile	NA	2.00	U	2.00	U	2.00	U	2.00	U
71-43-2	Benzene	1	0.500	U	0.500	U	0.500	U	0.500	U
108-86-1	Bromobenzene	5	0.500	U	0.500	U	0.500	U	0.500	U
74-97-5	Bromochloromethane	5	0.500	U	0.500	U	0.500	U	0.500	U
75-27-4	Bromodichloromethane	NA	0.500	U	0.500	U	0.500	U	0.500	U
75-25-2	Bromoform	50	0.500	U	0.500	U	0.500	U	0.500	U
74-83-9	Bromomethane	5	1.00	U	1.00	U	1.00	U	1.00	U
75-15-0	Carbon disulfide	60	0.400	U	0.400	U	0.400	U	0.400	U
56-23-5	Carbon Tetrachloride	5	0.500	U	0.500	U	0.500	U	0.500	U
108-90-7	Chlorobenzene	5	0.500	U	0.500	U	0.500	U	0.500	U
75-00-3	Chloroethane	5	1.00	U	1.00	U	1.00	U	1.00	U
67-66-3	Chloroform	7	0.500	U	0.500	U	0.500	U	0.500	U
74-87-3	Chloromethane	NA	1.00	U	1.00	U	1.00	U	1.00	U
156-59-4	cis-1,2-Dichloroethene	5	0.500	U	0.500	U	0.500	U	0.500	U
10061-01-5	cis-1,3-Dichloropropene	0.4	0.500	U	0.500	U	0.500	U	0.500	U

Table 4
Groundwater Analytical Data Summary – October 2013
1825 Boston Road, Bronx, NY

Work Order 1301858			Result	Q	Result	Q	Result	Q	Result	Q
Lab: Accredited Analytical Resources LLC			**1301858-01**		**1301858-02**		**1301858-03**		**1301858-04**	
JOY CONSTRUCTION CORP. - Crotona Terrace			**GW-1**		**GW-2**		**GW-3**		**TB**	
CAS#	**Compound**	**NYSGWS**	**10/15/13**		**10/15/13**		**10/15/13**		**10/15/13**	
124-48-1	Dibromochloromethane	50	0.500	U	0.500	U	0.500	U	0.500	U
74-95-3	Dibromomethane	5	0.500	U	0.500	U	0.500	U	0.500	U
75-71-8	Dichlorodifluoromethane	NA	1.00	U	1.00	U	1.00	U	1.00	U
100-41-4	Ethylbenzene	5	0.500	U	0.500	U	0.500	U	0.500	U
87-68-3	Hexachlorobutadiene	0.5	0.500	U	0.500	U	0.500	U	0.500	U
98-82-8	Isopropylbenzene	5	0.500	U	0.500	U	0.500	U	0.500	U
108-38-3/106-4	m,p-Xylenes	5	1.00	U	1.00	U	1.00	U	1.00	U
1634-04-4	Methyl tert-Butyl Ether	NA	1.00	U	1.00	U	1.00	U	1.00	U
75-09-2	Methylene Chloride	5	**0.700**	JB	0.400	U	**0.980**	JB	**1.19**	B
104-51-8	n-Butyl Benzene	5	0.500	U	0.500	U	0.500	U	0.500	U
103-65-1	n-Propyl Benzene	5	0.500	U	0.500	U	0.500	U	0.500	U
95-47-6	o-Xylene	5	1.00	U	1.00	U	1.00	U	1.00	U
99-87-6	p-Isopropyltoluene	NA	0.500	U	0.500	U	0.500	U	0.500	U
135-98-8	sec-Butylbenzene	5	0.500	U	0.500	U	0.500	U	0.500	U
100-42-5	Styrene	5	1.00	U	1.00	U	1.00	U	1.00	U
75-65-0	t-Butyl alcohol	NA	3.00	U	3.00	U	3.00	U	3.00	U
98-06-6	tert-Butylbenzene	5	0.500	U	0.500	U	0.500	U	0.500	U
127-18-4	Tetrachloroethene	5	0.500	U	0.500	U	0.500	U	0.500	U
108-88-3	Toluene	5	0.500	U	0.500	U	0.500	U	0.500	U
156-60-5	trans-1,2-Dichloroethene	5	0.400	U	0.400	U	0.400	U	0.400	U
10061-02-6	trans-1,3-Dichloropropene	0.4	0.500	U	0.500	U	0.500	U	0.500	U
79-01-6	Trichloroethene	5	0.500	U	0.500	U	0.500	U	0.500	U
75-69-4	Trichlorofluoromethane	5	1.00	U	1.00	U	1.00	U	1.00	U
108-05-4	Vinyl acetate	NA	0.400	U	0.400	U	0.400	U	0.400	U
75-01-4	Vinyl chloride	2	1.00	U	1.00	U	1.00	U	1.00	U
Wet Chemistry (mg/L)										
	Cyanide (total)	0.4	0.0200	U	0.0200	U	0.0200	U		

NYSGWS = New York State 6NYCRR Part 703.5 Class GA groundwater standards
RED - Indicates result exceeds NYSDEC AWQS
Q - Qualifier
Qualifiers:
J - Indicates estimated value for TICs and all results when detected below the RL
U - Indicates compound analyzed for but not detected

Table 5
Soil Vapor Analytical Data Summary - February 2011
1825 Boston Road, Bronx, NY

Sample Name:	SV-1	SV-5	SV-6
Compound	ug/m3	ug/m3	ug/m3
1,1,1-Trichloroethane	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND
1,2-Dichlorotetrafluoroethane	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND
1,3-Butadiene	ND	10	ND
1,3-Dichlorobenzene	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND
1,4-Dioxane	ND	ND	ND
2,2,4-Trimethylpentane	ND	ND	ND
2-Butanone	ND	41	5
2-Hexanone	ND	17	31
3-Chloropropene	ND	2.4	ND
4-Methyl-2-pentanone	ND	ND	35
Acetone	35	180	ND
Benzene	ND	11	ND
Benzyl Chloride	ND	ND	ND
Bromodichloromethane	ND	ND	ND
Bromoform	ND	ND	ND
Bromomethane	ND	2.6	ND
Carbon disulfide	ND	6.2	ND
Carbon tetrachloride	ND	ND	ND
Chlorobenzene	ND	ND	ND

Sample Name:	SV-1	SV-5	SV-6
Compound	ug/m3	ug/m3	ug/m3
Chloroethane	ND	ND	ND
Chloroform	ND	ND	ND
Chloromethane	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND
cis-1,3-Dichloropropylene	ND	ND	ND
Cyclohexane	ND	1.2	ND
Dichlorodifluoromethane	ND	2.4	ND
Ethyl acetate	ND	ND	ND
Ethylbenzene	ND	3.4	ND
Freon-113	ND	ND	ND
Isopropanol	ND	4.7	ND
Methylene Chloride	23	19	2.7
Methyl tert-butyl ether	ND	ND	ND
n-Heptane	76	ND	ND
n-Hexane	300	ND	2.6
o-Xylenes	ND	3.5	3.5
p-&m-Xylenes	ND	8.9	ND
p-Ethytoluene	ND	2.0	2.9
Propylene	430	220	7.9
Styrene	ND	ND	ND
Tetrachloroethylene	ND	ND	ND
Tetrahydrofuran	ND	ND	3.9
Toluene	ND	13	3.0
trans-1,2-Dichloroethene	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND
Trichloroethylene	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND
Vinyl acetate	ND	6	1.4
Vinyl Bromide	ND	ND	ND
Vinyl Chloride	ND	ND	ND

Table 6
Soil Vapor Analytical Data Summary – October 2013

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: Crotona Terrace
Site: NY

Report Date: 10/23/13
SDG Number: E13-10160
Date Received: 10/18/13
Date Analyzed: 10/21/13
Data File: AA7816
Summa ID: 3132

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-1		Reporting	
	IAL ID:	E13-10160-01		Limits	
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Acetone	67-64-1	17	41	0.20	0.48
Benzene	71-43-2	ND	ND	0.20	0.64
Bromodichloromethane	75-27-4	0.29	1.9	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
1,3-Butadiene	106-99-0	ND	ND	0.20	0.44
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	22	110	0.20	0.98
Chloromethane	74-87-3	ND	ND	0.20	0.41
Carbon disulfide	75-15-0	0.26	0.81	0.20	0.62
Carbon tetrachloride	56-23-5	0.04	0.25	0.04	0.25
Cyclohexane	110-82-7	ND	ND	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	0.61	3.7	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	ND	ND	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethylbenzene	100-41-4	0.56	2.4	0.20	0.87
n-Heptane	142-82-5	0.20	0.82	0.20	0.82
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	0.22	0.78	0.20	0.71
Methylene chloride	75-09-2	ND	ND	0.20	0.70
Methyl ethyl ketone	78-93-3	ND	ND	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	0.32	0.97	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	0.28	1.9	0.20	1.4
Toluene	108-88-3	2.4	8.9	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	ND	ND	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	ND	ND	0.05	0.25
Trichlorofluoromethane	75-69-4	0.27	1.5	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	1.7	8.5	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.20	0.98	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	ND	ND	0.20	0.93
Vinyl bromide	593-60-2	ND	ND	0.20	0.87
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	2.1	9.0	0.20	0.87
Xylenes (o)	95-47-6	0.83	3.6	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Table 6
Soil Vapor Analytical Data Summary – October 2013

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: Crotona Terrace
Site: NY

Report Date: 10/23/13
SDG Number: E13-10160
Date Received: 10/18/13
Date Analyzed: 10/21/13
Data File: AA7818
Summa ID: 3003A

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-2		Reporting	
	IAL ID:	E13-10160-02		Limits	
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Acetone	67-64-1	35	82	0.20	0.48
Benzene	71-43-2	0.24	0.77	0.20	0.64
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
1,3-Butadiene	106-99-0	ND	ND	0.20	0.44
Chlorobenzene	108-90-7	0.44	2.0	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	0.50	2.4	0.20	0.98
Chloromethane	74-87-3	ND	ND	0.20	0.41
Carbon disulfide	75-15-0	0.29	0.90	0.20	0.62
Carbon tetrachloride	56-23-5	ND	ND	0.04	0.25
Cyclohexane	110-82-7	0.36	1.2	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	1.0	6.1	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.56	2.8	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethylbenzene	100-41-4	1.3	5.8	0.20	0.87
n-Heptane	142-82-5	1.4	5.9	0.20	0.82
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	0.99	3.5	0.20	0.71
Methylene chloride	75-09-2	0.52	1.8	0.20	0.70
Methyl ethyl ketone	78-93-3	1.3	3.8	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	1.3	3.9	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	0.47	3.2	0.20	1.4
Toluene	108-88-3	5.0	19	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	ND	ND	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	ND	ND	0.05	0.25
Trichlorofluoromethane	75-69-4	2.0	11	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	1.4	6.9	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.24	1.2	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	0.27	1.3	0.20	0.93
Vinyl bromide	593-60-2	ND	ND	0.20	0.87
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	4.3	19	0.20	0.87
Xylenes (o)	95-47-6	1.8	7.7	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Table 6
Soil Vapor Analytical Data Summary – October 2013
Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: Crotona Terrace
Site: NY

Report Date: 10/23/13
SDG Number: E13-10160
Date Received: 10/18/13
Date Analyzed: 10/21/13
Data File: AA7819
Summa ID: 3289

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-3		Reporting	
	IAL ID:	E13-10160-03		Limits	
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Acetone	67-64-1	30	70	0.20	0.48
Benzene	71-43-2	ND	ND	0.20	0.64
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
1,3-Butadiene	106-99-0	ND	ND	0.20	0.44
Chlorobenzene	108-90-7	ND	ND	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	ND	ND	0.20	0.98
Chloromethane	74-87-3	ND	ND	0.20	0.41
Carbon disulfide	75-15-0	ND	ND	0.20	0.62
Carbon tetrachloride	56-23-5	0.06	0.38	0.04	0.25
Cyclohexane	110-82-7	0.72	2.5	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	ND	ND	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.49	2.4	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethylbenzene	100-41-4	6.3	27	0.20	0.87
n-Heptane	142-82-5	21	87	0.20	0.82
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	26	90	0.20	0.71
Methylene chloride	75-09-2	7.2	25	0.20	0.70
Methyl ethyl ketone	78-93-3	1.8	5.2	0.20	0.59
Methyl isobutyl ketone	108-10-1	0.32	1.3	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	2.0	6.1	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	0.23	1.6	0.20	1.4
Toluene	108-88-3	19	72	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	ND	ND	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	ND	ND	0.05	0.25
Trichlorofluoromethane	75-69-4	0.45	2.5	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	ND	ND	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	ND	ND	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	0.24	1.1	0.20	0.93
Vinyl bromide	593-60-2	ND	ND	0.20	0.87
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	19	81	0.20	0.87
Xylenes (o)	95-47-6	4.6	20	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Table 7
New York State Department of Environmental Conservation Decision Matricies from Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006

Decision matrices are risk management tools, developed by the NYSDOH in conjunction with other agencies, to provide guidance on a case-by-case basis about actions that should be taken to address current and potential exposures related to soil vapor intrusion. The matrices are intended to be used when evaluating the results from buildings with full slab foundations.

The NYSDOH has developed two matrices to use as tools in making decisions when soil vapor may be entering buildings. The first decision matrix was originally developed for TCE and the second for PCE. As summarized in the table below (Table 3.3 in the NYSDEC VIG), four chemicals have been assigned to the two matrices to date.

Volatile chemicals and their decision matrices

Chemical	Soil Vapor/Indoor Air Matrix
Carbon tetrachloride	Matrix 1
Trichloroethene (TCE)	Matrix 1
Vinyl chloride	Matrix 1

Chemical	Soil Vapor/Indoor Air Matrix
1,1-Dichloroethene	Matrix 2
cis-1,2-Dichloroethene	Matrix 2
Tetrachloroethene (PCE)	Matrix 2
1,1,1-Trichloroethane (1,1,1-TCA)	Matrix 2

Soil Vapor/Indoor Air Matrix 1

	INDOOR AIR CONCENTRATION of COMPOUND (µg/m3)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (µg/m3)	< 0.25	0.25 to < 1	1 to < 5.0	5.0 and above
< 5	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
5 to < 50	5. No further action	6. MONITOR	7. MONITOR	8. MITIGATE
50 to < 250	9. MONITOR	10. MONITOR / MITIGATE	11. MITIGATE	12. MITIGATE
250 and above	13. MITIGATE	14. MITIGATE	15. MITIGATE	16. MITIGATE

Table 7
New York State Department of Environmental Conservation Decision Matricies
from Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006

Soil Vapor/Indoor Air Matrix 2

	INDOOR AIR CONCENTRATION of COMPOUND (µg/m3)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (µg/m3)	< 3	3 to < 30	30 to < 100	100 and above
< 100	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
100 to < 1,000	5. MONITOR	6. MONITOR / MITIGATE	7. MITIGATE	8. MITIGATE
1,000 and above	9. MITIGATE	10. MITIGATE	11. MITIGATE	12. MITIGATE

Guide to Matricies 1 and 2

No further action:
Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

Take reasonable and practical actions to identify source(s) and reduce exposures:
The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed). Resampling may be recommended to demonstrate the effectiveness of actions taken to reduce exposures.

MONITOR:
Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air sampling, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building-specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MITIGATE:
Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system, and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MONITOR / MITIGATE:
Monitoring or mitigation may be recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building- and site specific conditions.

Table 8

Groundwater Level Data

Monitoring Well ID No.	Date	Depth to Water (feet)
GW-1 (a.k.a. MW-1 in SEI's investigation dated 2011)	October 15, 2013	19.91
GW-2	October 15, 2013	19.45
GW-3	October 15, 2013	20.97

PROPOSED NEW MIDDLE INCOME DEVELOPMENT FOR:
CROTONA PLAZA, BUILDING "A"
BRONX, NY 10940

EAST 176th STREET ELEVATION

DRAWING SCHEDULE:

T-001	COVER SHEET
C-001	SURVEY
C-002	SCHEMATIC SITE PLAN AND
Z-001	ZONING ANALYSIS
Z-002	ZONING ANALYSIS
EN-001	ENERGY ANALYSIS
G-001	GENERAL NOTES
G-002	ACCESSIBILITY DIAGRAMS
G-003	1ST AND 2ND FLOOR EGRESS PLANS
G-004	3RD THRU 8TH FLOOR EGRESS PLANS
A-100	1ST FLOOR PLAN
A-101	2ND FLOOR PLAN
A-102	3RD TO 6TH FLOOR PLAN
A-103	7TH & 8TH FLOOR PLAN
A-104	ROOF AND BULKHEAD PLANS
A-200	EXTERIOR ELEVATIONS
A-201	EXTERIOR ELEVATIONS
A-202	SECTION
A-400	TYPICAL EXTERIOR WALL SECTION
A-500	ENLARGED APARTMENT LAYOUTS
A-510	ENLARGED KITCHEN LAYOUT & ELEVATION& DETAILS
A-511	ENLARGED BATHROOM LAYOUT & ELEVATION & DETAILS
A-600	DOOR SCHEDULE, FINISH SCHEDULE WINDOW SCHEDULE & MAILBOX PLAN & ELEVATIONS

DEVELOPER:

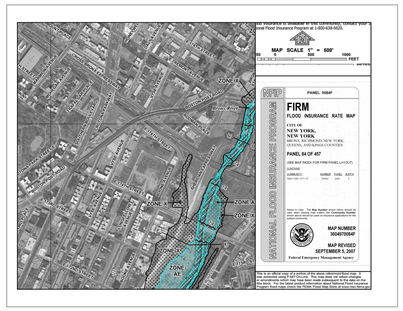
JOY CONSTRUCTION CORPORATION

ARCHITECT:

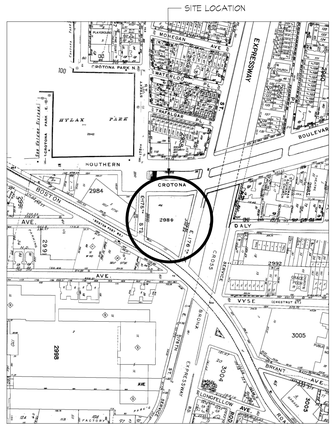
asap Aufgang + Subotovsky Architecture and Planning PLLC
49 North Airmont Road, Suffern, NY 10901 tel: 845.368.0004 fax: 800.772.8304 www.asaparchitecture.com

APARTMENT DISTRIBUTION					FLOOR	UNIT TYPE	UFAS COMPLIANCE CHART # OF UFAS ACCESSIBLE	# OF UFAS HVI
0BR	0BR	1BR	2BR	TOTAL				
1ST FLOOR								
2ND FLOOR	2	3	7	12	2ND FLOOR	A - 0BR	1	
3rd FLOOR	2	3	7	12	3rd FLOOR	A - 0BR		1
4th FLOOR	2	3	7	12	4th FLOOR	C - 2BR	1	
5th FLOOR	2	3	7	12	5th FLOOR	B - 1BR		1
6th FLOOR	2	3	7	12	6th FLOOR	B - 1BR	1	
7th FLOOR	5	2	3	10	7th FLOOR			
8th FLOOR	5	2	3	10	8th FLOOR	C - 2BR	1	
Total	20	19	41	80	Total		4	2
PERCENT	25%	24%	51%	100%	PERCENT		5%	2%

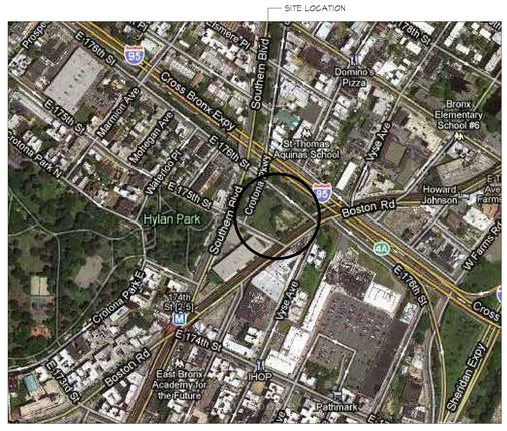
(*) SECTION 504 OF THE REHABILITATION ACT - U.F.A.S. ACCESSIBLE APARTMENTS:
5% OF THE TOTAL APARTMENTS EQUIPPED FOR PERSONS WITH MOBILITY IMPAIRMENTS
TOTAL 80 X 5% = 4 UNITS
2% OF THE TOTAL APARTMENTS EQUIPPED FOR PERSONS WITH HEARING AND VISUAL IMPAIRMENTS
TOTAL 80 X 2% = 2 UNITS



THIS SITE DOES NOT FALL UNDER A FLOOD HAZARD AS PER FLOOD INSURANCE RATE MAP #3604970084 F - BC G105 -



TAX MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

DATE	REVISIONS
9-12-13	ISSUED TO DOB FOR REVIEW AND COMMENT
8-28-13	ISSUED TO HPD FOR REVIEW AND COMMENT

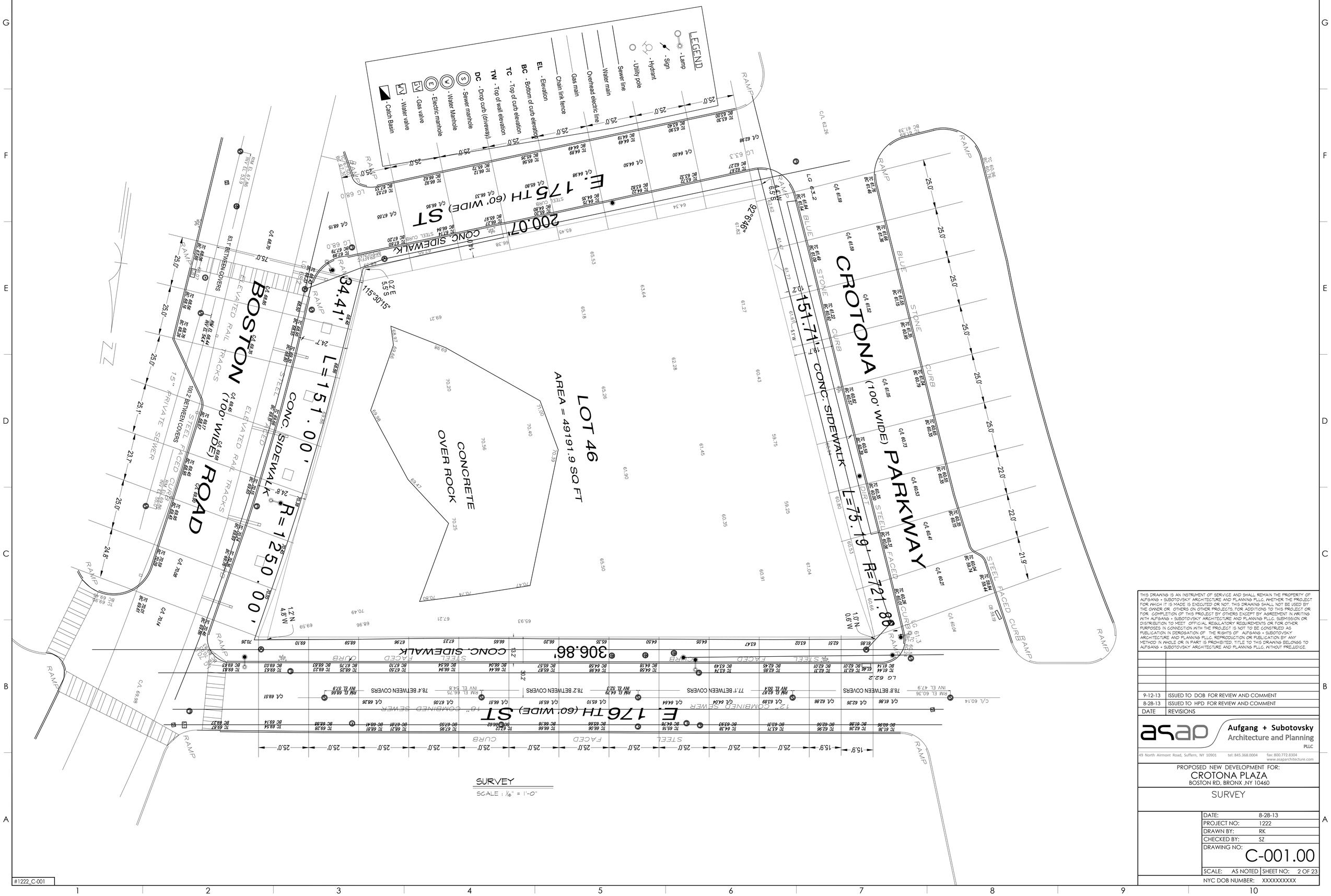
asap Aufgang + Subotovsky Architecture and Planning PLLC
49 North Airmont Road, Suffern, NY 10901 tel: 845.368.0004 fax: 800.772.8304 www.asaparchitecture.com

PROPOSED NEW DEVELOPMENT FOR:
CROTONA PLAZA
BOSTON RD, BRONX ,NY 10460

COVER SHEET

DATE:	8-28-13
PROJECT NO:	1222
DRAWN BY:	RK
CHECKED BY:	RK
DRAWING NO:	T-001.00
SCALE: AS NOTED	SHEET NO: 1 OF 23
NYC DOB NUMBER:	XXXXXXXXX

#1222_T-001



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DATE	REVISIONS
9-12-13	ISSUED TO DOB FOR REVIEW AND COMMENT
8-28-13	ISSUED TO HPD FOR REVIEW AND COMMENT

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PROPOSED NEW DEVELOPMENT FOR:
CROTONA PLAZA
BOSTON RD, BRONX ,NY 10460

SURVEY

DATE:	8-28-13
PROJECT NO:	1222
DRAWN BY:	RK
CHECKED BY:	SZ
DRAWING NO:	C-001.00
SCALE: AS NOTED	SHEET NO: 2 OF 23
NYC DOB NUMBER:	XXXXXXXXX

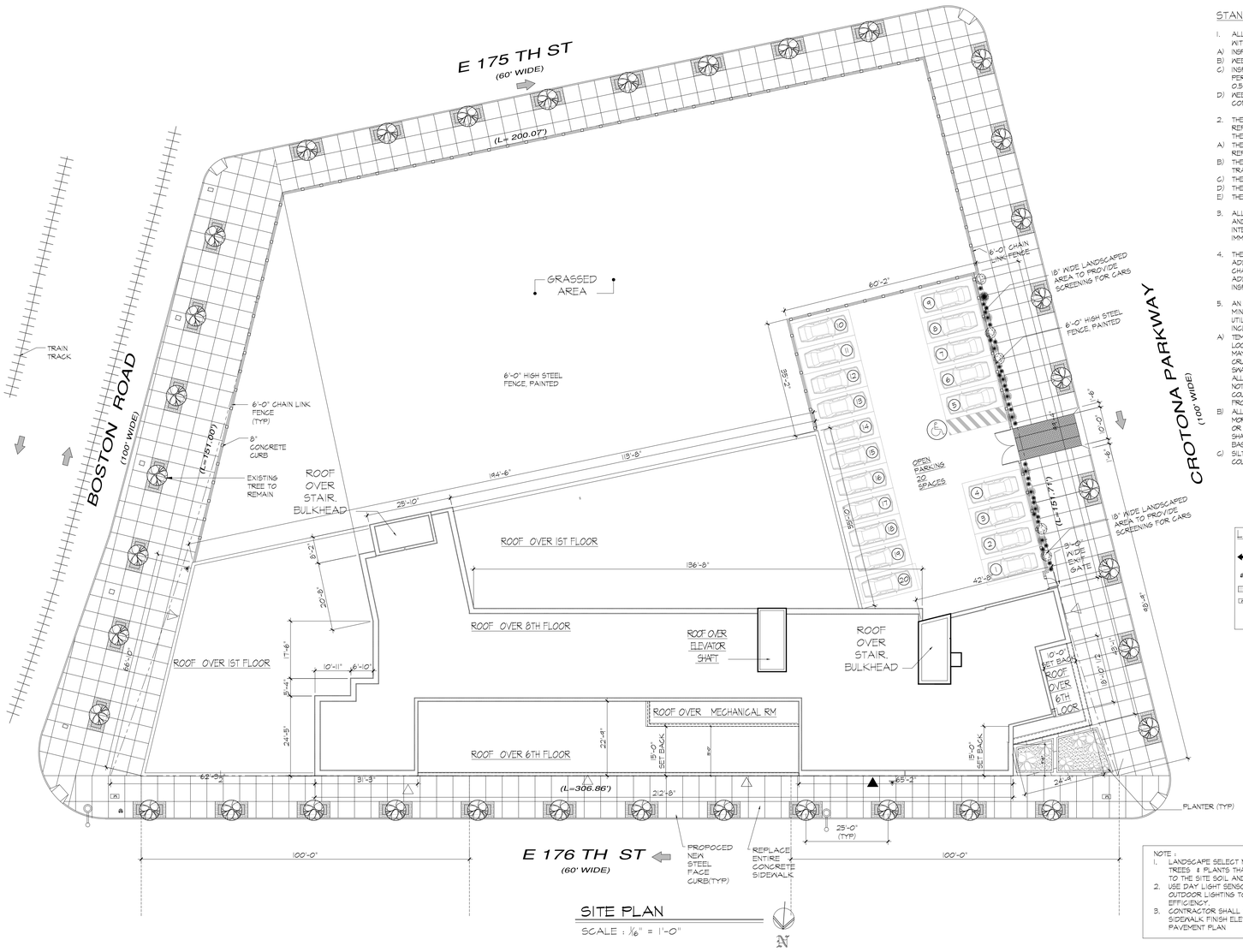
#1222_C-001

GENERAL NOTES

1. ALL FILL USED BELOW SLABS UNDER BUILDINGS AND IN PAVED AREAS SHALL BE QUALITY SANDY MATERIAL AND SHALL BE COMPACTED IN 12" LAYERS TO 95% DENSITY TO PREVENT SETTLEMENT AS PER ASTM D1557, METHOD C.
2. CONTRACTOR MUST ALSO FOLLOW ALL REQUIREMENTS FOR PREPARATION, CLEARING, PROOF ROLLING, AND FILL REPLACEMENT RECOMMENDED BY A REPORT ON SOIL AND FOUNDATION INVESTIGATION.
3. ALL FILL SHALL BE COMPACTED WITH SOIL COMPACTION EQUIPMENT RATHER THAN BY HAND TAMPING (EXCEPT AROUND PIPES, ETC.)
4. THE THICKNESS OF FILL LAYERS PLACED SHALL BE COMPATIBLE WITH THE TYPE OF COMPACTION EQUIPMENT USED.
5. THE ATTAINMENT OF SPECIFIED DENSITIES SHALL BE VERIFIED BY FIELD DENSITY TESTS MADE BY AN INDEPENDENT TESTING LABORATORY ON EACH LAYER OF MATERIAL COMPACTED. ONE TEST PER 5,000 SQ. FT. OF SURFACE AREA SHALL BE MADE ON EACH LAYER WITHIN THE BUILDING.
6. USE ENERGY STAR APPLIANCES, LIGHT FIXTURES AND HEATING SYSTEMS OR THE EQUIVALENT WHICH WILL PRODUCE THE SAME OR COMPARABLE ENERGY EFFICIENCY OR SAVINGS.
7. SELECT NATIVE OR NON INVASIVE NEW TREES AND PLANTS THAT ARE APPROPRIATE TO THE SITE 'S SOIL AND MICROCLIMATE.
8. INSTALL WATER CONSERVING FIXTURES THRUOUT.
9. USE DAYLIGHT SENSORS OR TIMERS ON OUTDOOR LIGHTING TO MAXIMIZE ENERGY EFFICIENCY.
10. ALL INTERIOR PAINTS, PRIMERS, ADHESIVES AND SEALANTS MUST CONTAIN LOW OR NO VOCS.
11. GREEN LABEL CERTIFIED FLOOR COVERING: DO NOT INSTALL CARPETS IN BELOW GRADE LIVING SPACES, ENTRYWAYS, LAUNDRY ROOMS, BATHROOMS, KITCHENS OR UTILITY ROOMS. IF USING CARPET, USE PRODUCTS THAT MEET THE CARPET AND RUG INSTITUTE 'S GREEN LABEL CERTIFIED CARPET, PAD AND CARPET ADHESIVES.
12. EXHAUST FANS - BATHROOM : INSTALL ENERGY STAR-LABELED BATHROOM FANS THAT EXHAUST TO THE OUTDOORS AND ARE EQUIPPED WITH A HUMIDISTAT SENSOR OR TIMER, OR OPERATE CONTINUOUSLY.
13. VENTILATION : INSTALL A VENTILATION SYSTEM FOR THE DWELLING UNIT THAT PROVIDES 15 CUBIC FEET PER MINUTE OF FRESH AIR, PER OCCUPANT.
14. WATER HEATERS : PREVENTION : INSTALL CONVENTIONAL HOT WATER HEATERS IN ROOMS WITH DRAINS OR CATCH PANS PIPED TO THE EXTERIOR OF THE DWELLING AND WITH NON-WATER SENSITIVE FLOOR COVERINGS.
15. WATER HEATERS: MINIMIZING CO. SPECIFY DIRECT VENTED OR COMBUSTION SEALED WATER HEATERS IF THE HEATER IS LOCATED IN A CONDITIONED SPACE.
16. COLD WATER PIPE INSULATION: INSULATE EXPOSED COLD WATER PIPES.
17. MATERIALS IN WET AREAS: USE MATERIALS WITH SMOOTH, DURABLE, CLEANABLE SURFACES. DO NOT USE MOLD + PROPAGATING MATERIALS SUCH AS VINYL WALLPAPER AND UNSEALED GROUT.
18. CLOTHES - DRYER EXHAUST: CLOTHES DRYERS MUST BE EXHAUSTED DIRECTLY TO THE OUTDOORS.
19. INTEGRATED PEST MANAGEMENT: SEAL ALL WALL, FLOOR AND JOINT PENETRATIONS TO PREVENT PEST ENTRY. PROVIDE RODENT AND CORROSION PROOF SCREENS (E.G., COPPER OR STAINLESS STEEL MESH) FOR LARGE OPENINGS.
20. REDUCED HEAT - ISLAND EFFECT: ROOFING AND PAVING: 1) USE ENERGY STAR - COMPLIANT AND HIGH - EMISSIVE ROOFING FOR THE ENTIRE ROOF 2) USE LIGHT - COLORED/HIGH - ALBEDO MATERIALS FOR HARDSCAPED AREAS.
21. ALL DWELLING UNITS ARE HANDICAP ADAPTABLE U.O.N.

EROSION AND SEDIMENT CONTROL PLAN - CONSTRUCTION SEQUENCE

1. ALL EROSION AND SEDIMENT CONTROL MEASURES, EXCLUDING CATCH-BASIN MEASURES, SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATIONS AND INSTALLATION OF PROPOSED STRUCTURES AND OR UTILITIES.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND/OR STABILIZED.
3. INSTALL STABILIZED CONSTRUCTION ENTRANCE AS INDICATED ON PLAN.
4. INSTALL SILT FENCE AND/OR HAY BALE BARRIERS DOWN SLOPE OF ALL AREAS TO BE DISTURBED AND DOWN SLOPE OF ALL AREAS DESIGNATED FOR TOPSOIL STOCKPILING.
5. CONSTRUCT BERMS, TEMPORARY SWALES AND PIPES AS NECESSARY TO DIRECT RUNOFF TO TEMPORARY SEDIMENTATION ENTRAPMENT AREAS.
6. CLEAR EXISTING TREES, VEGETATION AND EXISTING STRUCTURES FROM AREAS TO BE FILLED OR EXCAVATED. STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE DISTURBED. SEED STOCKPILED TOPSOIL WITH TEMPORARY RYE GRASS COVER.
7. PERFORM EXCAVATION AND FILL TO BRING LAND TO DESIRED GRADE. ANY DISTURBED AREAS TO REMAIN BARE SHOULD BE SEEDED WITH TEMPORARY RYE GRASS.
8. INSTALL UNDERGROUND UTILITIES, MANHOLES AND CATCH BASINS. GRATES OF CURB AND FIELD INLETS SHOULD BE LEFT AT ELEVATIONS WHICH PERMIT PROPER COLLECTION OF SURFACE RUNOFF.
9. INSTALL HAY BALE RINGS AROUND ALL CURB AND FIELD INLETS EXCEPT FOR THE BASINS LOCATED AT THE ANTI TRACKING PAD. BASINS AT THE PAD SHALL BE TREATED WITH THE CATCH BASIN-FILTER FABRIC DETAIL.
10. CONSTRUCT CURBS AND INSTALL BASE AND BINDER COURSES OF PAVED AREAS. RAISE GRATES OF CURB AND FIELD INLETS ACCORDINGLY.
11. COMPLETE FINE GRADING.
12. RAISE GRATES OF CURB AND FIELD INLETS TO FINAL ELEVATIONS. INSTALL SURFACE COURSE OF PAVEMENT.
13. UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED AREAS ARE TO BE SEEDED. REFER TO LANDSCAPING PLAN FOR PERMANENT SEEDING SPECIFICATIONS. ALL TEMPORARY DEVICES SHALL BE REMOVED AND THE AFFECTED AREAS RE-GRADED, PLANTED OR TREATED IN ACCORDANCE WITH THE APPROVED SITE PLANS.



SITE PLAN

SCALE : 1/16" = 1'-0"

STANDARD EROSION CONTROL NOTES

1. ALL CONTROL MEASURES FOR EROSION AND SEDIMENTATION SHALL COMPLY WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
   A) INSPECTIONS OF ALL CONTROL MEASURES PER THE SWPP.
   B) WEEKLY INSPECTIONS AND DOCUMENTATION OF EROSION CONTROL PRACTICES.
   C) INSPECTIONS OF ALL CONTROL MEASURES BEFORE FORECASTED AND AFTER PERIODS OF HEAVY OR PROLONGED RAIN RESULTING IN MORE THAN 0.5-INCHES
   D) WEEKLY INSPECTIONS OF ON AND OFF-SITE AREAS DOWNSTREAM FROM CONSTRUCTION ACTIVITIES.
2. THE INSPECTIONS SHALL BE CONDUCTED BY THE APPLICANT AND/OR HIS REPRESENTATIVE, I.E. THE SITE ENGINEER, OR THE CONTRACTOR, TO DETERMINE THE FOLLOWING:
   A) THE CONDITIONS OF THE CONTROL MEASURES AND THE NEED FOR REPAIR OR REPLACEMENT
   B) THE NEED FOR MAINTENANCE, E.G. REMOVAL OF SEDIMENT FROM BARRIERS, TRAPS, AND BASINS.
   C) THE NEED FOR ADDITIONAL CONTROL MEASURES.
   D) THE NEED FOR REAPPLICATION OF SEEDING, NETTING AND/OR MULCHING.
   E) THE OVERALL EFFECTIVENESS OF THE CONTROL PLAN.
3. ALL TEMPORARY AND PERMANENT CONTROL DEVICES MUST BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL NECESSARY REPAIRS SHALL BE PERFORMED IMMEDIATELY.
4. THESE PLANS INDICATE THE CONTROL MEASURES TO BE PUT IN PLACE. ADDITIONAL CONTROL MEASURES SHALL BE IMPLEMENTED AS SITE CONDITIONS CHANGE AND UNFORSEEN PROBLEMS OCCUR. IMPLEMENTATION OF THE ADDITIONAL CONTROL MEASURES SHALL BE AT THE DISCRETION OF THE SITE INSPECTOR.
5. AN EROSION CONTROL SYSTEM WILL BE UTILIZED BY THE DEVELOPER TO MINIMIZE THE PRODUCTION OF SEDIMENT FROM THE SITE. METHODS TO BE UTILIZED WILL BE THOSE FOUND MOST EFFECTIVE FOR THE SITE AND SHALL INCLUDE ONE OR MORE OF THE FOLLOWING, AS APPLICABLE:
   A) TEMPORARY SEDIMENTATION ENTRAPMENT AREAS SHALL BE PROVIDED AT KEY LOCATIONS TO INTERCEPT AND CLARIFY SILT LADEN RUNOFF FROM THE SITE. THESE MAY BE EXCAVATED OR MAY BE CREATED UTILIZING EARTHEN BERMS, RIP-RAP OR CRUSHED STONE DAMS, HAY BALES, OR OTHER SUITABLE MATERIALS. DIVERSION SWALES, BERMS, OR OTHER CANALIZATION SHALL BE CONSTRUCTED TO INSURE THAT ALL SILT LADEN WATERS ARE DIRECTED INTO THE ENTRAPMENT AREAS, WHICH SHALL NOT BE PERMITTED TO FILL IN, BUT SHALL BE CLEANED PERIODICALLY DURING THE COURSE CONSTRUCTION. THE COLLECTED SILT SHALL BE DEPOSITED IN AREAS SAFE FROM FURTHER EROSION.
   B) ALL DISTURBED AREAS, EXCEPT ROADWAYS, WHICH WILL REMAIN UNFINISHED FOR MORE THAN 30 DAYS SHALL BE TEMPORARILY SEEDED WITH 1/2 LB. OF RYE GRASS, OR MULCHED WITH 100 LBS. OF STRAW OR HAY PER 1000 SQUARE FEET. ROADWAYS SHALL BE STABILIZED AS RAPIDLY AS PRACTICABLE BY THE INSTALLATION OF THE BASE COURSE.
   C) SILT THAT LEAVES THE SITE IN SPITE OF THE REQUIRED PRECAUTIONS SHALL BE COLLECTED AND REMOVED AS DIRECTED BY APPROPRIATE MUNICIPAL AUTHORITIES.

LEGEND:

- TRAFFIC DIRECTIONS
- EXISTING HYDRANT
- CONCRETE SIDEWALK
- EXISTING WATER TEST SAMPLE STATION
- EXISTING TRAFFIC SIGNAL WITH PEDESTRIAN CONTROL
- RESIDENTIAL ADDRESS
- RESIDENTIAL EGRESS
- COMMERCIAL ADDRESS

NOTE :
1. LANDSCAPE SELECT NATIVE OR NON INVASIVE TREES & PLANTS THAT ARE APPROPRIATE TO THE SITE SOIL AND MICROCLIMATE
2. USE DAY LIGHT SENSORS OR TIMERS ON OUTDOOR LIGHTING TO MAXIMIZE ENERGY EFFICIENCY
3. CONTRACTOR SHALL COORDINATE ALL SIDEWALK FINISH ELEVATIONS WITH BUILDERS PAVEMENT PLAN

DATE	REVISIONS
9-12-13	ISSUED TO DOB FOR REVIEW AND COMMENT
8-28-13	ISSUED TO HPD FOR REVIEW AND COMMENT

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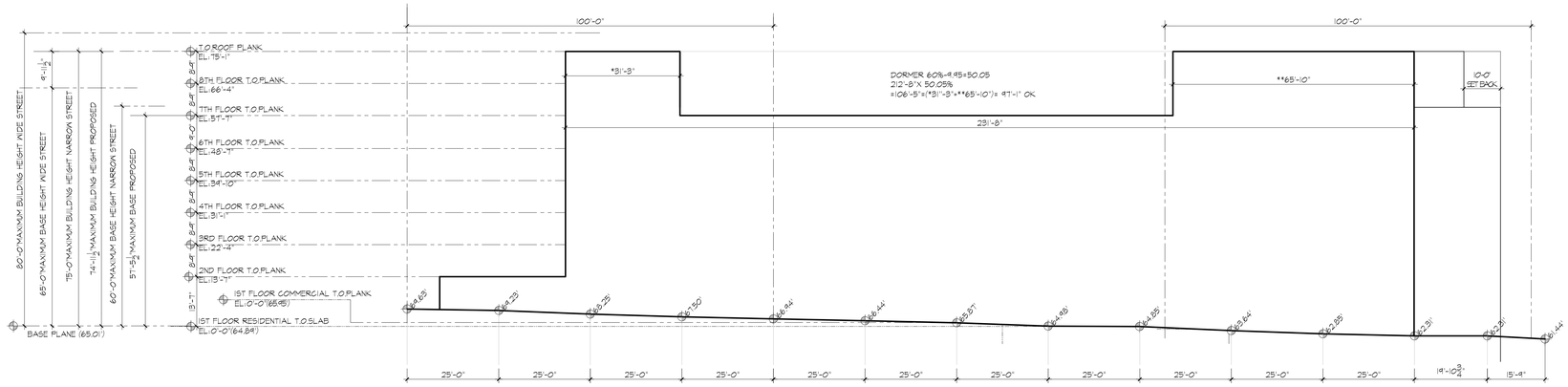
PROPOSED NEW DEVELOPMENT FOR:
CROTONA PLAZA
BOSTON RD, BRONX ,NY 10460

SCHEMATIC SITE PLAN

DATE:	8-28-13
PROJECT NO:	1222
DRAWN BY:	RK
CHECKED BY:	SZ
DRAWING NO:	C-002.00
SCALE: AS NOTED	SHEET NO: 3 OF 23

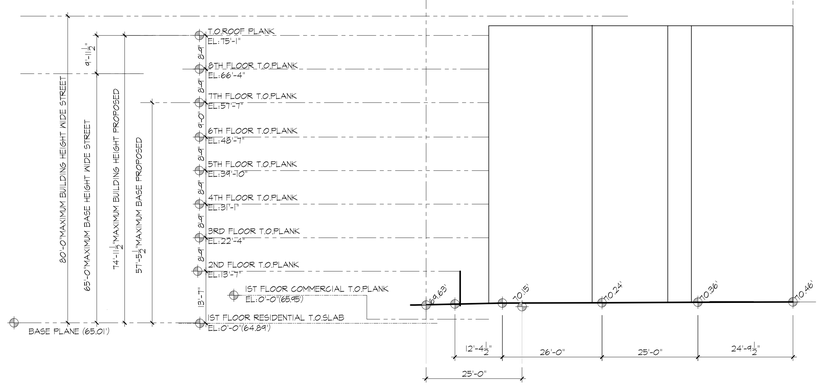
NYC DOB NUMBER: XXXXXXXXX

#1222_C-002



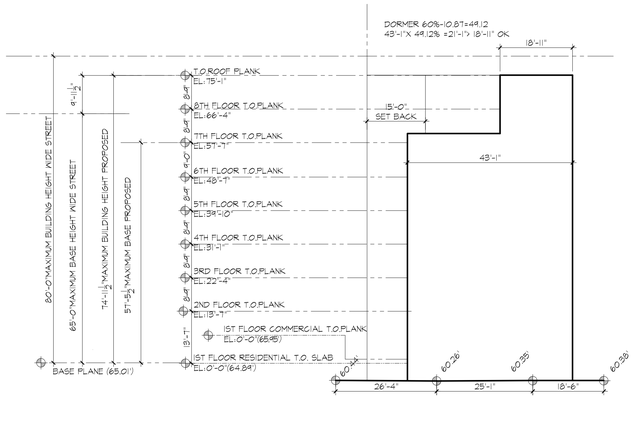
HEIGHT DIAGRAM
E 176 ST NARROW ST

SCALE : 1/16" = 1'-0"



HEIGHT DIAGRAM
BOSTON RD (WIDE STREET)

SCALE : 1/16" = 1'-0"



HEIGHT DIAGRAM (WIDE STREET)
CROTONA PARKWAY

SCALE : 1/16" = 1'-0"

ZONING CALCULATION

CROTONA PLAZA BUILDING "A"

Block: 2984
Tax Lot: 46
ZONE: R7-1 with C2-4 overlay ASSUMED FOR ALL ZONING REGULATIONS
Bronx, NY
Ocupancy Group J-2
Construction Classification 1B

	PERMITTED/REQUIRED		PROPOSED		REMARKS	RES.
Mixed Use						
Quality Housing Program						
Lot area						
WIDE STREET			41,138.93	Sq.Ft.		Map 3d
NARROW STREET			8,065.32	Sq.Ft.		Map 3d
TOTAL LOT AREA	Minimum 1700	Sq. Ft.	49,191.96	Sq.Ft.	OK	23-32
Lot Coverage						
Corner Lot : 80% of 39,939.62	31,957.17	Sq.Ft. Max	7,994.13	Sq.Ft.	OK	23-145
Interior Lot 65% of 9,252.34	6,014.02	Sq.Ft. Max	4,031.83	Sq.Ft.	OK	23-145
F.A.R. Floor Area Ratio						
Residential						
Lot Area on R7 Wide Street	4.0	Maximum				23-145
Lot Area on R7 Narrow Street	3.44	Maximum				
Adjusted	3.91	Maximum	1.55		OK	
Commercial	2.00		0.31		OK	33-121
Community Facility	4.80	Maximum	-		OK	33-121
Mix. Dev. Total	4.80	Maximum	1.87		OK	33-121
Gross Floor Area						
Residential						
Area on R7 WIDE	164,555.72	Maximum				
Area on R7 NARROW	27,744.70					
TOTAL	192,300.42	Sq.Ft. (Max.)	76,477.38	Sq.Ft.	OK	23-145
Commercial						
Max	98383.92	Sq.Ft	15,292.09	Sq.Ft.	OK	33-121
Community Facility	236,121.41	Sq.Ft	-	Sq.Ft.	OK	33-121
Mix. Dev. Total	236,121.41	Sq.Ft	91,769.47	Sq.Ft.	OK	33-121
No. of Apartments	283 Units (Max.)		175.00	D.U	OK	23-22

	PERMITTED/REQUIRED		PROPOSED		REMARKS	RES.
Heights (feet)	Within 100' wide street	not within 100' wide street	Within 100' wide street	not within 100' wide street		
Min. Base Height	40'-0"	40'-0"	40'-0"	40'-0"	OK	23-633
Max. Base Height	65'-0"	60'-0"	57'-5 1/2"	57'-5 1/2"	OK	23-633
Max Building Height	80'-0"	75'-0"	74'-11 1/2"	74'-11 1/2"	OK	23-633
Yard Regulations						
Front	Not req'd		N/A		OK	23-45
Side	Not req'd		N/A		OK	23-462c
Rear	Not req'd		N/A		OK	23-47
Initial Set Back						
Wide Street	10'-0"		10'-0"		OK	23-633
Narrow Street	15'-0"		15'-0"		OK	23-633

Parking	PERMITTED/REQUIRED		PROPOSED		REMARKS	RES.
RESIDENTIAL	25% 20 U		20		OK	25-25
COMMERCIAL	1/1000 Sq.Ft.	16 < 40 WAIVED	0		WAIVED	36-232

FLOOR	RESIDENTIAL &COMMERCIAL GROSS AREA	OPEN PARKING AREA	AREA PUBLIC CORR.	% OF CORR.	CORRIDOR DEDUCTION	MECHANICAL DEDUCTIONS	
COMMERCIAL	15,292.09	6,867.34					
1ST FLOOR	5,521.93			0.00		1,548.64	3,973.29
2nd FLOOR	12,025.96		1,295.01	50.00	647.51		11,378.46
3rd FLOOR	12,025.96		1,295.01	50.00	647.51		11,378.46
4th FLOOR	12,025.96		1,295.01	50.00	647.51		11,378.46
5th FLOOR	12,025.96		1,295.01	50.00	647.51		11,378.46
6th FLOOR	12,025.96		1,295.01	50.00	647.51		11,378.46
7th FLOOR	9,432.05		1,273.52	100.00	1,273.52	352.63	7,805.90
8th FLOOR	9,079.43		1,273.52	100.00	1,273.52		7,805.91
			9,022.09		5,784.57		
TOTALS	99,455.30						76,477.38
TOTAL NET							76,477.38

QUALITY HOUSING PROGRAM NOTES

PERMITTED/REQUIRED		PROPOSED		REMARKS	
1 TREE PER 25'-0" OF FRONTAGE	36 TREE	36 TREES	OK	RES. 28-12	Will be adjusted by Builders Pavement Plan
SIZE OF DWELLING UNITS	400 SQ. FT. MIN.	440 SQ. FT.	OK	RES. 28-21	
WINDOWS	DOUBLE GLAZED	1" LOW E INSULATED DOUBLE GLAZED PROVIDED	OK	RES. 28-22	
REFUSE STORAGE AND DISPOSAL	12 SQ. FT. MIN.	37 SQ. FT.	OK	RES. 28-23	
LAUNDRY FACILITIES	1 WASHER PER 20 D.U. 1 DRYER PER 40 D.U.	7 WASHERs 7 DRYER (DOUBLE LOAD)	OK OK	RES. 28-24	(...) at least one washing machine per 20 dwelling units or rooming units and at least one dryer per 40 dwelling units or rooming units (...)
DAYLIGHT IN CORRIDORS	20 SQ. FT.	23 SQ. FT.	OK	RES. 28-25	(...)provided that such window: shall be directly visible from 50% of the corridor or from the vertical circulation core, and is located at least 20' from a wall or a side or rear lot line measured in a horizontal place and perpendicular to the rough wind
RECREATION SPACE (OUTDOOR)	2523.6 3.3 % MIN.	2550.63 SQ.FT.	OK	RES. 28-31	The amount of recreation space required is expressed as percentage of the total residential floor area or the development and may be aggregated in one type, indoor or outdoor.
RECREATION SPACE (INDOOR)		734 SQ.FT.	OK		
STANDARDS FOR RECREATION SPACE (OUTDOOR)	15 FT. MIN. 2,141.4 2.8% MIN 225 SQ.FT. MIN.	35'-0" FT. 2561.80 SQ.FT. 734.00 SQ.FT. 3295.80 SQ.FT.	OK INDOOR OUTDOOR OK	RES. 28-32	(...)The minimum dimension of any recreation space shall be 15' Outdoor recreation space shall be open to the sky except that building projections, not to exceed 7' in depth, may cover up to 10% of the outdoor recreation space, provided that the lowest
PLANTING AREAS	REQUIRED B/W BLDB. & ST. LINE	N/A	N/A	RES. 28-33	The area of the zoning lot between the street line and the street wall of the building shall be planted, except at the entrances to and exits from the building, or adjacent to commercial uses fronting on the street.
DENSITY PER CORRIDOR	D.U. IN R7 IN ORDER TO	D.U. ONLY QUALIFY	OK	RES. 28-41	If the number of dwelling units served by a vertical circulation core and corridor on each story does not exceed the number set forth

INTERIOR LOT

AVERAGE GRADE / BASE PLANE CALCULATION E 176 ST

EL:		EL:			AVG. EL:		DIST.		
68.25	+	67.50	=	135.75 / 2	=	67.88	X 25.00	=	1,696.88
67.50	+	66.94	=	134.44 / 2	=	67.22	X 25.00	=	1,680.50
66.94	+	65.87	=	132.81 / 2	=	66.41	X 25.00	=	1,660.13
65.87	+	64.98	=	130.85 / 2	=	65.43	X 25.00	=	1,635.63
64.98	+	64.85	=	129.83 / 2	=	64.92	X 25.00	=	1,622.88
64.85	+	63.64	=	128.49 / 2	=	64.25	X 25.00	=	1,606.13
63.64	+	62.85	=	126.49 / 2	=	63.25	X 25.00	=	1,581.13
64.85	+	62.31	=	127.16 / 2	=	63.58	X 25.00	=	1,589.50
62.31	+	62.31	=	124.62 / 2	=	62.31	X 25.00	=	1,557.75
62.31	+	62.31	=	124.62 / 2	=	62.31	X 25.00	=	1,557.75
62.31	+	61.44	=	123.75 / 2	=	61.88	X 25.00	=	1,546.88
TOTAL:							**275.00**		**17,735.13**
BASE PLANE ELEV. = 17735.12 / 275 = 64.49									

AVERAGE GRADE / BASE PLANE CALCULATION BOSTON RD

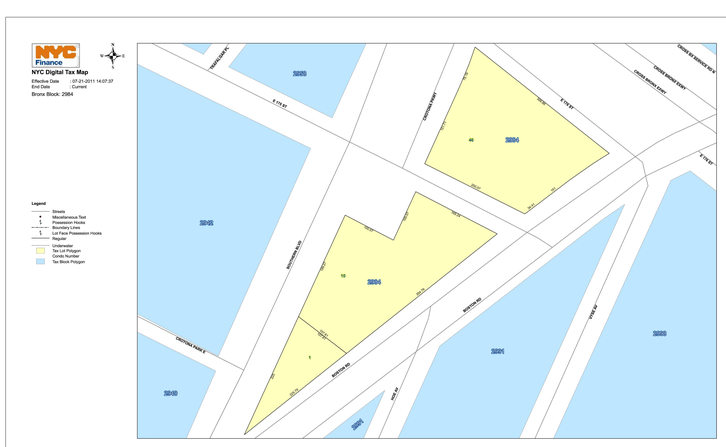
EL:		EL:			AVG. EL:		DIST.		
69.66	+	70.15	=	139.81 / 2	=	69.91	X 12.37	=	864.72
70.15	+	70.24	=	140.39 / 2	=	70.20	X 26.00	=	1,825.07
70.24	+	70.36	=	140.60 / 2	=	70.30	X 25.00	=	1,757.50
70.36	+	70.46	=	140.82 / 2	=	70.41	X 24.79	=	1,745.46
TOTAL:							**88.16**		**6,192.76**
BASE PLANE ELEV. = 6192.75 / 88.16 = 70.24									

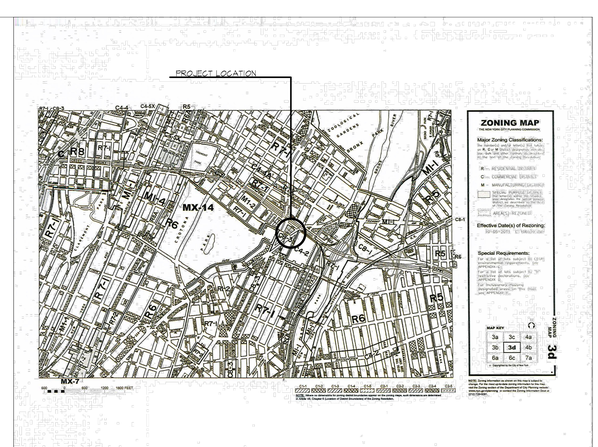
AVERAGE GRADE / BASE PLANE CALCULATION CROTONA PARKWAY

EL:		EL:			AVG. EL:		DIST.		
60.44	+	60.26	=	120.70 / 2	=	60.35	X 26.33	=	1,589.02
60.26	+	60.35	=	120.61 / 2	=	60.31	X 25.08	=	1,512.45
60.35	+	60.38	=	120.73 / 2	=	60.37	X 18.50	=	1,116.75
TOTAL:							**69.91**		**4,218.22**
BASE PLANE ELEV. = 4218.21 / 69.91 = 60.33									

AVERAGE GRADE / BASE PLANE	
E 176 ST	64.49
BOSTON RD	70.24
CROTONA PARKWAY	60.33
AVERAGE	65.01

BASE PLANE CALCULATION





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DATE	REVISIONS
9-12-13	ISSUED TO DOB FOR REVIEW AND COMMENT
8-28-13	ISSUED TO HPD FOR REVIEW AND COMMENT

asap Aufgang + Subotovsky Architecture and Planning PLLC
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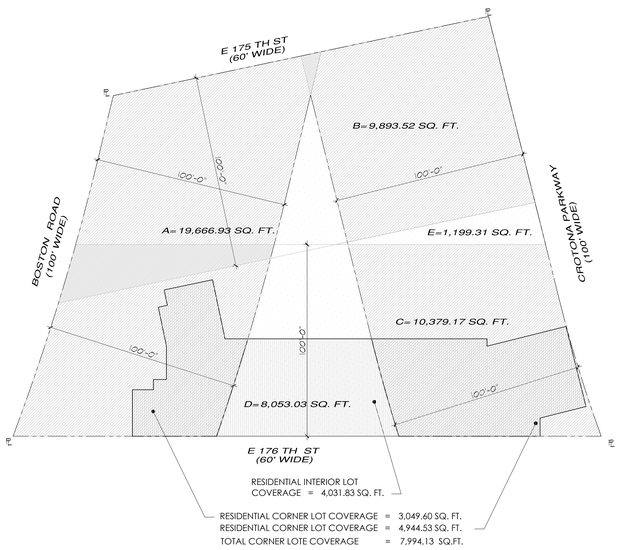
www.asapArchitecture.com

PROPOSED NEW DEVELOPMENT FOR:
CROTONA PLAZA
BOSTON RD, BRONX ,NY 10460

ZONING ANALYSIS

DATE:	8-21-13
PROJECT NO:	1222
DRAWN BY:	SZ
CHECKED BY:	RK
DRAWING NO:	Z-001.00
SCALE: AS NOTED	SHEET NO: 4 of 23
NYC DOB NUMBER:	XXXXXXXXX

FILE#



RESIDENTIAL INTERIOR LOT
COVERAGE = 4,031.83 SQ. FT.

RESIDENTIAL CORNER LOT COVERAGE = 3,049.60 SQ. FT.
RESIDENTIAL CORNER LOT COVERAGE = 4,944.53 SQ. FT.
TOTAL CORNER LOTE COVERAGE = 7,994.13 SQ.FT.

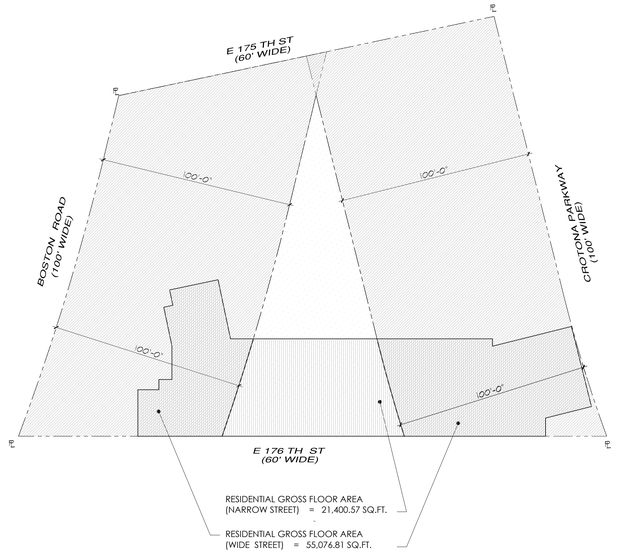
LOT AREA

CORNER LOT
A= 19,666.93 SQ. FT. X 80%= 15,733.54 SQ.FT.> 3, 049.60 SQ.FT. OK
B= 9,893.52 SQ. FT.
C= 10,379.17 SQ. FT. X 80%= 8,303.36 SQ.FT.> 4,944.53.60 SQ.FT. OK
TOTAL= *39,939.62 SQ.FT 80%= 31,957.17 SQ.FT.> 7,994.13.60 SQ.FT. OK*

INTERIOR LOT
D= 8,053.03 SQ. FT. X 65%= 5234.47 SQ.FT.> 4,031.83 SQ.FT. OK
E= 1,199.31 SQ.FT.
TOTAL= *9,252.34 SQ.FT 65%= 6,014.02 SQ.FT.> 4,031.83.60 SQ.FT. OK*

LOT COVERAGE CALCS.

SCALE: $\frac{1}{32}$"=1'-0"



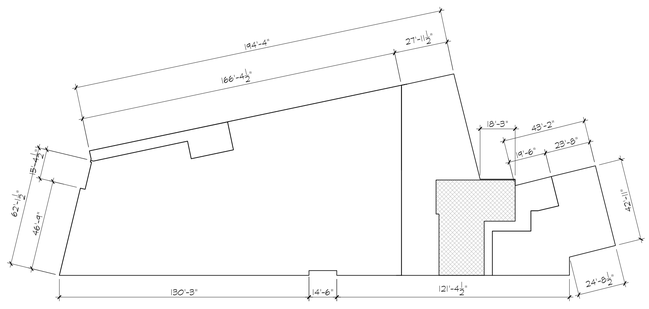
RESIDENTIAL GROSS FLOOR AREA
(NARROW STREET) = 21,400.57 SQ.FT.

RESIDENTIAL GROSS FLOOR AREA
(WIDE STREET) = 55,076.81 SQ.FT.

LOT AREA
SCALE: $\frac{1}{32}$"=1'-0"

WIDE STREET = 41,138.93 SQ. FT. X 4 .00 = 164,555 .72 SQ.FT. > 55,076.81 SQ.FT. OK
NARROW STREET = 8065.32 SQ. FT. X 3 .44 = 27,744.70 .72 SQ.FT. > 21,400.57 SQ.FT. OK
TOTAL = 49,191.96 SQ.FT

F.A.R CALCS.



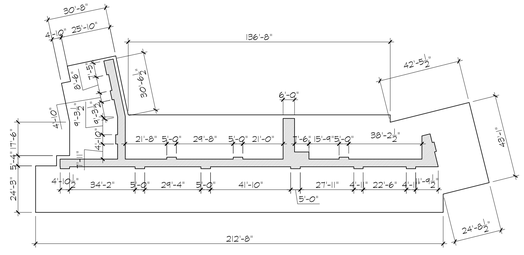
1ST FLOOR PLAN

SCALE: $\frac{1}{32}$"=1'-0"

RESIDENTIAL GROSS FLOOR AREA
STAIR 1= 621.12 SQ. FT.
RESIDENTIAL =4,900.81 SQ. FT.
TOTAL = 5,521.93 SQ.FT.

COMMERCIAL GROSS FLOOR AREA
COMMERCIAL =15,292.09 SQ.FT.

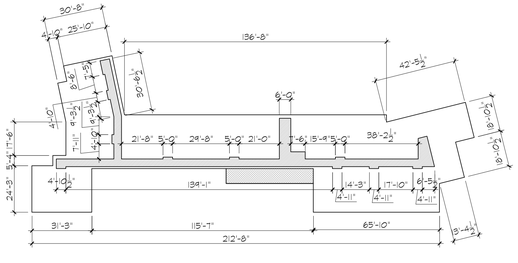
MECHANICAL = 1548.64 SQ. FT.



2ND TO 6TH FLOOR PLAN

SCALE: $\frac{1}{32}$"=1'-0"

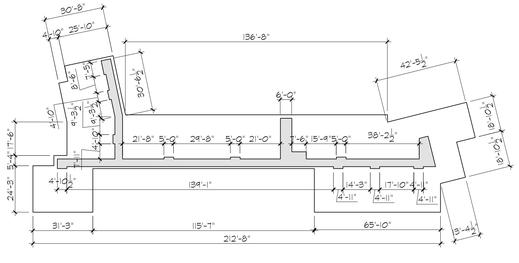
RESIDENTIAL GROSS FLOOR AREA 12,025.96 SQ. FT.
PUBLIC CORRIDOR AREA = 1,295.01 SQ. FT.
PUBLIC CORRIDOR



7TH FLOOR PLAN

SCALE: $\frac{1}{32}$"=1'-0"

RESIDENTIAL GROSS FLOOR AREA 9,432.05 SQ. FT.
PUBLIC CORRIDOR AREA = 1,273.52 SQ. FT.
MECHANICAL = 352.63 SQ. FT.



8TH FLOOR PLAN

SCALE: $\frac{1}{32}$"=1'-0"

RESIDENTIAL GROSS FLOOR AREA 9,079.43 SQ. FT.
PUBLIC CORRIDOR AREA = 1,273.52 SQ. FT.

DATE	REVISIONS
9-12-13	ISSUED TO DOB FOR REVIEW AND COMMENT

asap Aufgang + Subotovsky Architecture and Planning PLLC
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INFO@ASAPARCHITECTURE.COM

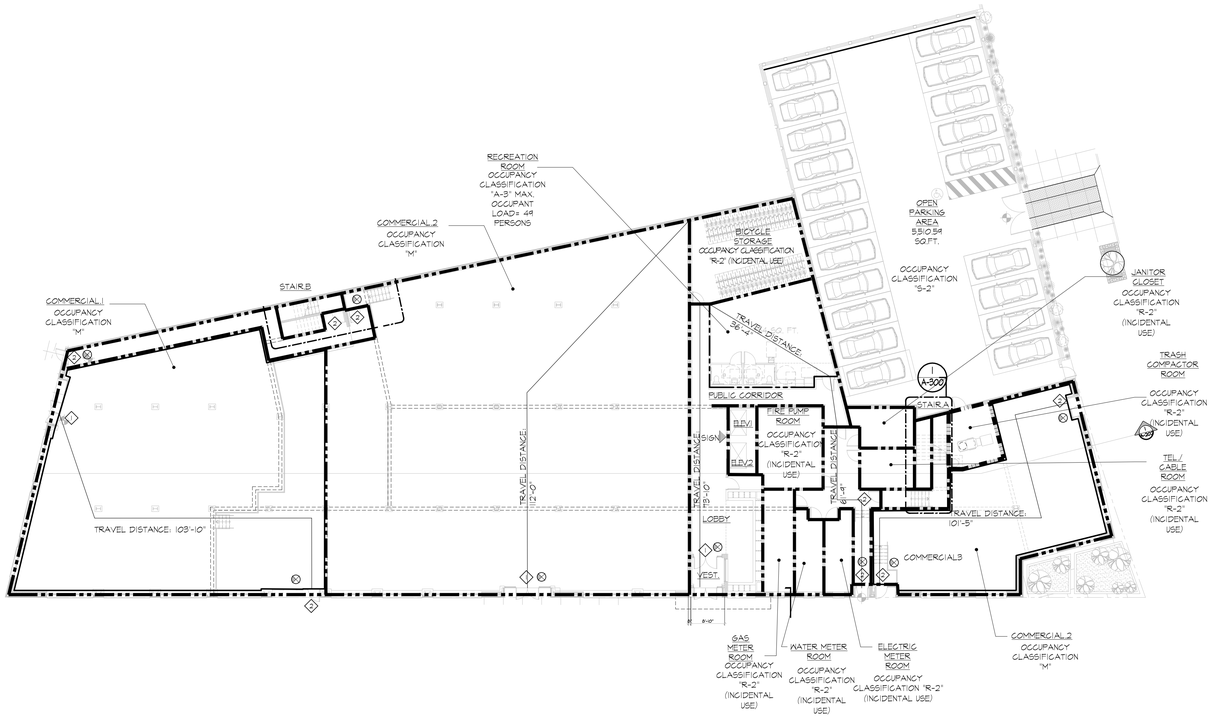
PROPOSED NEW DEVELOPMENT FOR:
CROTONA PLAZA
BOSTON RD, BRONX ,NY 10460

ZONING ANALYSIS

DATE:	8-21-13
PROJECT NO:	1222
DRAWN BY:	SZ
CHECKED BY:	RK
DRAWING NO:	Z-002.00
SCALE: AS NOTED	SHEET NO: 5 of 23

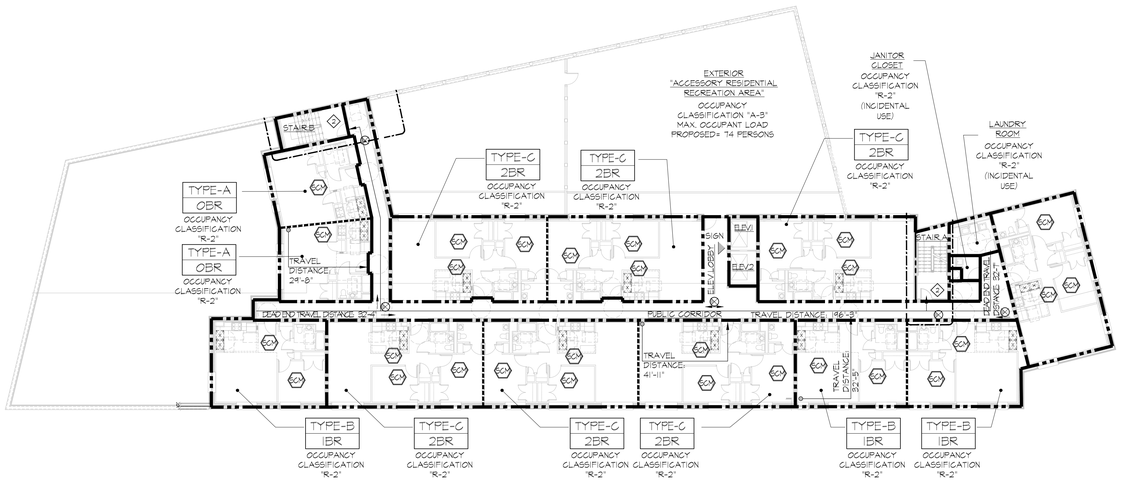
NYC DOB NUMBER: XXXXXXXXXX

FILE#



1ST FLOOR PLAN

SCALE : 1/16" = 1'-0"



2ND FLOOR PLAN

SCALE : 1/16" = 1'-0"

MAXIMUM BUILDING OCCUPANCY							MINIMUM EGRESS WIDTH (BC 1005)	
FLOOR	OCCUPANCY GROUP		NET FLOOR AREA PER OCCUPANT (sq.ft.)	NET FLOOR AREA (sq.ft.)	MAXIMUM NUMBER OF OCCUPANTS		REQUIRED	PROVIDED
1st	COMMERCIAL 1	M	30	4538.16	151		152 x 0.2 = 30.4"	1 + 2 = 96"
1st	COMMERCIAL 2	M	30	7927.35	264		264 x 0.2 = 52.84"	1 + 2 = 96"
1st	COMMERCIAL 3	M	30	1,748.71	58		58 x 0.2 = 11.8"	1 x 2 = 64"
1st	PARKING	S-2	200	5510.59	27		27 X 0.2 = 5.4	1 x 2 = 64"
1st	RECREATION RM ASSEMBLY	A-3	15	734	49	75		
	RESIDENTIAL	R-2	200	3,381.37	16		75 x 0.2 =15"	1 x 2 = 64"
2nd	RESIDENTIAL	R-2	200	11,401.15	57		57 x 0.2 = 11.4"	1 x 2 = 64"
3rd	RESIDENTIAL	R-2	200	11,401.15	57		57 x 0.2 = 11.4"	1 x 2 = 64"
4th	RESIDENTIAL	R-2	200	11,401.15	57		57 x 0.2 = 11.4"	1 x 2 = 64"
5th	RESIDENTIAL	R-2	200	11,401.15	57		57 x 0.2 = 11.4"	1 x 2 = 64"
6th	RESIDENTIAL	R-2	200	11,401.15	57		57 x 0.2 = 11.4"	1 x 2 = 64"
7th	RESIDENTIAL	R-2	200	9,134.86	45		45 x 0.2 = 9"	1 x 2 = 64"
8th	RESIDENTIAL	R-2	200	8,762.91	43		43 x 0.2 = 8.6"	1 x 2 = 64"

SYMBOL LEGEND	
	3 HR RATED WALL
	2 HR RATED WALL
	1 HR RATED WALL
	CEILING MOUNTED EXIT SIGN
	WALL MOUNTED EXIT SIGN
	SIGN AT ELEVATOR LANDING
1	3'-0" WIDE DOOR (2 LEAFS) EXIT CAPACITY = 68" / 0.2 = 340
2	3'-0" WIDE DOOR (1 LEAF) EXIT CAPACITY = 34" / 0.2 = 170

SPACES WITH ONE MEANS OF EGRESS		
OCCUPANCY GROUP		MAXIMUM OCCUPANT LOAD
ASSEMBLY	A-3	74
RESIDENTIAL	R-2	20
MERCANTILE	M	74
STORAGE	S-2	30

MAXIMUM TRAVEL DISTANCE (W/ SPRINKLERS)			
OCCUPANCY GROUP		MAX. PERMITTED (ft.)	PROVIDED (ft.)
ASSEMBLY	A-3	150'-0"	36'-4"
MERCANTILE	M	200'-0"	112'-0"
RESIDENTIAL	R-2	200'-0"	196'-3"

* SEE NYC BUILDING CODE TABLE 1015.1 FOR MORE INFORMATION

* DEAD END IN R-2 OCCUPANCY SHALL NOT EXCEED 80'
ALL FLOORS COMPLY - BC 1016.3

OCCUPANT LOAD TABLE	
ROOM NAME	OCCUPANT LOAD
RECREATION ROOM	58
OUTDOOR REC SPACE	74
LAUNDRY ROOM	15
BIKE STORAGE	15
COMMERCIAL1	151
COMMERCIAL2	264
COMMERCIAL3	58

MINIMUM WIDTH OF EGRESS			
	NYC BUILDING CODE SECTION	MIN. REQUIRED (in.)	PROVIDED (in.)
STAIRWAYS	1008.1	44"	44"
CORRIDOR	1016.2	44"	60"

TRAVEL DISTANCE WITHIN DWELLING UNIT	
UNIT TYPE	TRAVEL DISTANCE
A	29'-8"
A.1	31'-1"
B	32'-5"
B.1	26'-6"
C	42'-1"

BUILDING IS FULLY SPRINKLERED AND EQUIPPED WITH AN ALTERNATIVE FIRE EXTINGUISHING SYSTEM A STAND PIPE SYSTEM SMOKE VENTS, A FIRE ALARM AND DETECTION SYSTEM & A FIRE COMMAND CENTER. IN COMPLIANCE WITH THE NYC BUILDING CODE, NYC FIRE CODE & LOCAL FIRE DEPARTMENT REQUIREMENTS.

EGRESS NOTES. CHAPTER 10

1. MEANS OF EGRESS SHALL HAVE A CEILING HEIGHT NOT LESS THAN 7'-6" (BC 1003)
2. OCCUPANT LOAD AS DETERMINED ON TABLE 1004.1.2
3. EXIT AND ACCESS REQUIREMENTS ARE TO BE CALCULATED AS PER TABLE 1005) AS PER SECTION BC 1005
4. EXITS, EXIT DISCHARGES AND PUBLIC CORRIDORS SHALL BE ILLUMINATED AT ALL TIMES, AS PER BC 1008.
   A. PUBLIC CORRIDORS AND EXITS SHALL BE PROVIDED WITH ARTIFICIAL LIGHT FIXTURES SUPPLYING AT LEAST TWO FOOT CANDLES MEASURED AT THE FLOOR LEVEL, TO BE MAINTAINED CONTINUOUSLY THROUGHOUT EXITS AND THEIR ACCESS FACILITIES FOR THEIR FULL LENGTH (BC 1008.2)
   B. EXIT LIGHTING, EXIT SIGNS & THE PORTION OF THE EXTERIOR EXIT DISCHARGE IMMEDIATELY ADJACENT TO EXIT DISCHARGE DOORWAYS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM FOR A DURATION NOT LESS THAN 90 MINUTES & SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. (BC 1008.3)
5. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES AS PER SECTION BC 1007.
6. DOORS ARE TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SECTION BC 1008 INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   A. CLEAR OPENING OF 32"MIN. IS REQUIRED AND SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. (SECTION BC 1008.1.1)
   B. DOOR HEIGHT NOT TO BE LESS THAN 6'-8" (BC 1008.1.1.3)
   C. ALL EXIT DOORS ARE TO OPEN IN THE DIRECTION OF EGRESS (1008.1.2.2) FLOOR LEVELS ON BOTH SIDES OF ALL EXIT AND CORRIDOR DOORS ARE TO BE LEVEL AND AT THE SAME ELEVATION FOR A DISTANCE AT LEAST EQUAL TO THE WIDTH OF THE DOOR (1008.1.4)
   D. EXIT DOORS SHALL BE READILY GRENABLE AT ALL TIMES FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE. DOORS OPENING ONTO INTERIOR ENCLOSED STAIRS SHALL NOT BE LOCKED FROM EITHER SIDE EXCEPT THAT DOORS MAY BE LOCKED TO PREVENT ACCESS TO THE STAIR FROM THE OUTSIDE AT STREET LEVEL AS PER SECTION 1008.1.9
   E. PANIC AND FIRE EXIT HARDWARE SHALL BE INSTALLED ON ALL EGRESS DOORS FROM OCCUPANCY GROUP "A" OR "E" HAVING AN OCCUPANT LOAD OF 75 PEOPLE OR MORE. AS PER SECTION 1008.1.8
   F. REQUIRED EXITS & SMOKE DOORS ARE TO BE SELF-CLOSING (BC 715.5.1) WITH A 1 1/2 HOUR FIRE PROTECTION RATING (TABLE 715.3). EXCEPT IN THE FIRST STORY OF EXTERIOR WALLS FACING A STREET THAT HAVE A FIRE SEPARATION DISTANCE OF GREATER THAN 15'-0" (BC 704.8.2) THEN DOORS NEED NOT TO BE RATED
7. STAIRWAYS SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS STATED IN SECTIONS BC 1009 & 1011 INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:
   A. STAIR WIDTH SHALL BE DETERMINED AS SPECIFIED IN SECTION 1005.1, BUT SUCH WIDTH SHALL NOT BE LESS THAN 44" (BC 1009.1) OR 36" (BC 1009.1.1.2)
   B. AREA OF RESCUE ASSISTANCE SHALL BE 30" X 48" FOR EACH 200 OCCUPANTS, AS PER SECTION 1007.6.1
   C. THE CLEAR HEADROOM SHALL BE AT LEAST 6'-8" MINIMUM, AS SPECIFIED IN SECTION 1009.2.1 (R-2 OCCUPANCY)
   D. LANDINGS AND PLATFORMS PROVIDED AT THE HEAD AND FOOT OF EACH FLIGHT OF STAIRS SHALL HAVE A MINIMUM WIDTH, PERPENDICULAR TO THE DIRECTION OF TRAVEL, OF AT LEAST THE WIDTH OF THE STAIR. IN STRAIGHT RUN STAIRS, THE DISTANCE BETWEEN STAIRS WITHIN THE RUN SHALL NEED NOT BE MORE THAN 48". NO DOOR SHALL SWING ONTO A LANDING AND REDUCE THE EGRESS REQUIRED CLEAR WIDTH OF THE STAIR OR STAIR PLATFORM. TO BE LESS THAN 75% OF THE REQUIRED WIDTH, OR WHEN FULLY OPEN, THE DOOR SHALL NOT PROJECT MORE THAN 7" INTO THE LANDING AS PER SECTION 1009.4
   E. RISERS, TREADS, STRINGERS, LANDINGS, PLATFORMS AND GUARDS EXCLUSIVE OF HANDRAILS, SHALL BE BUILT OF NONCOMBUSTIBLE MATERIALS. WHEN TWO STAIRS ARE CONTAINED WITHIN THE SAME ENCLOSURE, EACH STAIR SHALL BE SEPARATED FROM THE OTHER BY NONCOMBUSTIBLE CONSTRUCTION HAVING A FIRE RESISTANCE RATING EQUAL TO THAT REQUIRED FOR THE STAIR ENCLOSURE (BC 1009.5)
   H. ALL INTERIOR STAIRS SHALL EXTEND UP TO THE ROOF (BC 1009.12.1)
   F. STAIRS SHALL HAVE HANDRAILS ON EACH SIDE (EXCEPT STAIRS LESS THAN 44" IN WIDTH) HAVING FINGER CLEARANCE OF 1-1/2" MIN., PROJECTING NOT MORE THAN 4-1/2" INTO THE REQUIRED STAIR WIDTH. HEIGHT OF HANDRAIL SHALL BE UNIFORM, NOT LESS THAN 34" AND NOT MORE THAN 38" MEASURED ABOVE THE STAIR TREAD NOSING. HANDRAILS SHALL BE DESIGNED IN COMPLIANCE WITH SECTION 1009.11
   G. THE MAXIMUM VERTICAL RISE OF A SINGLE FLIGHT OF STAIRS BETWEEN FLOORS IS NOT TO EXCEED 12' EXCEPT IN OCCUPANCY GROUP A AND I WHERE THE VERTICAL RISE IS NOT TO EXCEED 8'-0" (SECTION 1009.6)
   I. INTERIOR REQUIRED STAIRS EXTENDING TO THE ROOF SHALL BE VENTED AS PER THE REQUIREMENTS OF SECTION 410.5
   J. STAIR EXIT DOORS SHALL BE PLACED A DISTANCE APART EQUAL TO NO LESS THAN 15'-0" IN R2 OCCUPANCY (SECTION 1014.2.1.3)
8. EGRESS CORRIDORS SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS STATED IN SECTIONS BC 1011, 1013 THRU 1018, 1020 THRU 1023, 1024 & 1026 INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   A. PROTRUDING OBJECTS ARE PERMITTED TO EXTEND BELOW THE MIN. CEILING HEIGHT REQUIRED PROVIDE THAT A MIN. HEADROOM OF 7'-0" IN HEIGHT IS REQUIRED OVER ANY WALKING SURFACE NOT MORE THAN 50% OF THE CEILING AREA CAN BE REDUCED IN HEIGHT BY PROTRUDING OBJECTS SO AS TO OBSTRUCT FULL VIEW OF EXIT SIGNS. (SECTION 1003.3.1)
   B. CORRIDOR WIDTH SHALL BE DETERMINED AS PER SECTION 1005.1, BUT NOT LESS THAN 44".
   C. DEAD END CORRIDORS SHALL NOT EXCEEDED 30'-0" IN LENGTH (BC 1016.3)
   D. DOORS WHEN THEY FULLY OPEN & HANDRAILS SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 7". DOORS IN ANY POSITION SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 1/2. OTHER NONSTRUCTURAL PROJECTIONS ARE PERMITTED TO PROJECT INTO THE REQUIRED WIDTH 1.5" ON EACH SIDE (BC 1020.2)
   E. THE FINISHES IN ALL EXITS SHALL BE OF NONCOMBUSTIBLE MATERIALS AS PER CHAPTER 8 AND SUB-SECTION 1028.4 OF SECTION BC 1028.
   F. THE LOCATION OF EVERY EXIT ON EVERY FLOOR SHALL BE CLEARLY INDICATED BY EXIT SIGNS. (SECTION BC 1011) EXIT SIGN SHALL BE PLACED APART, SO THAT NO POINT IN THE EXIT CORRIDOR IS MORE THAN 100'-0"

DATE	REVISIONS
9-12-13	ISSUED TO DOB FOR REVIEW AND COMMENT

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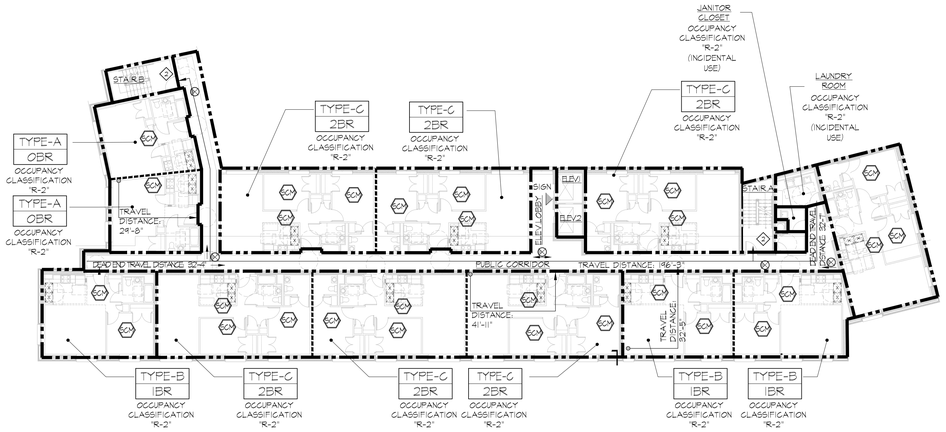
55 North Airmont Road, Suffern, NY 10901 tel: 845.368.0000 fax: 800.772.8104
www.asaparchitecture.com

PROPOSED NEW DEVELOPMENT FOR:
CROTONA PLAZA
BOSTON RD, BRONX ,NY 10460

1ST AND 2 ND FLOOR EGRESS PLANS

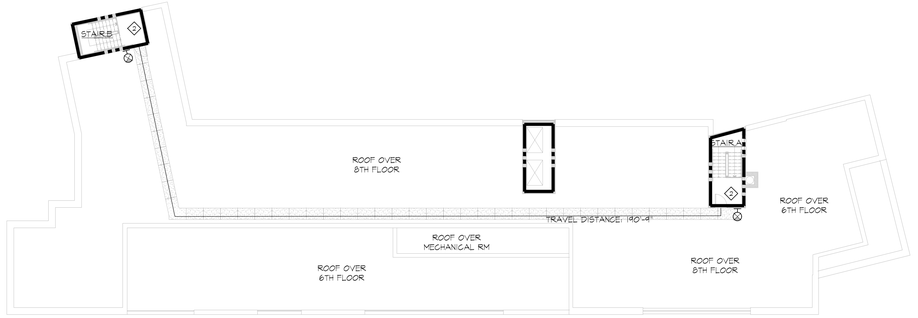
DATE:	8-21-13
PROJECT NO:	1222
DRAWN BY:	SZ
CHECKED BY:	RK
DRAWING NO:	G-003.00
SCALE: AS NOTED	SHEET NO: 9 of 23
NYC DOB NUMBER:	XXXXXXXXXX

FILE#



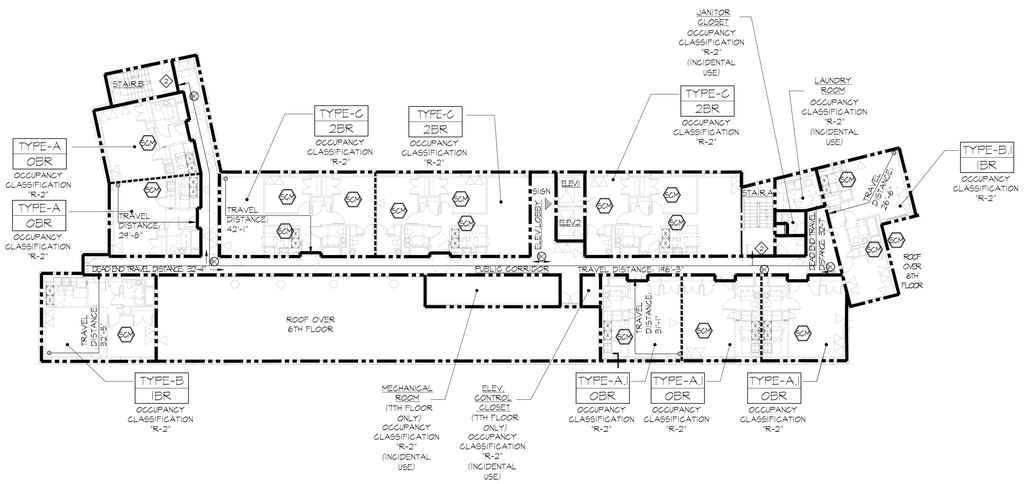
3RD TO 6TH FLOOR PLAN

SCALE : 1/16" = 1'-0"



ROOF FLOOR PLAN

SCALE : 1/16" = 1'-0"



7TH 7 8TH FLOOR PLAN

SCALE : 1/16" = 1'-0"

FIRE PROTECTION:

BUILDING IS FULLY SPRINKLERED AND EQUIPPED WITH AN ALTERNATIVE FIRE EXTINGUISHING SYSTEM, A STAND PIPE SYSTEM SMOKE VENTS, A FIRE ALARM AND DETECTION SYSTEM & A FIRE COMMAND CENTER, IN COMPLIANCE WITH THE NYC BUILDING CODE, NYC FIRE CODE & LOCAL FIRE DEPARTMENT REQUIREMENTS.

EGRESS NOTES: CHAPTER 10

1. MEANS OF EGRESS SHALL HAVE A CEILING HEIGHT NOT LESS THAN 7'-6" (BC 1003)
2. OCCUPANT LOAD AS DETERMINED ON TABLE 1004.1.2
3. EXIT AND ACCESS REQUIREMENTS ARE TO BE CALCULATED AS PER TABLE 1005) AS PER SECTION BC 1005
4. EXITS, EXIT DISCHARGES AND PUBLIC CORRIDORS SHALL BE ILLUMINATED AT ALL TIMES. AS PER BC 1006:
   A. PUBLIC CORRIDORS AND EXITS SHALL BE PROVIDED WITH ARTIFICIAL LIGHT FIXTURES SUPPLYING AT LEAST TWO FOOT CANDLES MEASURED AT THE FLOOR LEVEL, TO BE MAINTAINED CONTINUOUSLY THROUGHOUT EXITS AND THEIR ACCESS FACILITIES FOR THEIR FULL LENGTH (BC 1006.2)
   B. EXIT LIGHTING, EXIT SIGNS & THE PORTION OF THE EXTERIOR EXIT DISCHARGE IMMEDIATELY ADJACENT TO EXIT DISCHARGE DOORWAYS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM FOR A DURATION NOT LESS THAN 90 MINUTES & SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. (BC 1006.3)
5. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES AS PER SECTION BC 1007.
6. DOORS ARE TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF SECTION BC 1008 INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:
   A. CLEAR OPENING OF 32"(MIN.) IS REQUIRED AND SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. (SECTION BC 1008.1.1)
   B. DOOR HEIGHT NOT TO BE LESS THAN 6'-8" (BC 1008.1.1.3)
   C. ALL EXIT DOORS ARE TO OPEN IN THE DIRECTION OF EGRESS (1008.1.2.2) FLOOR LEVELS ON BOTH SIDES OF ALL EXIT AND CORRIDOR DOORS ARE TO BE LEVEL AND AT THE SAME ELEVATION FOR A DISTANCE AT LEAST EQUAL TO THE WIDTH OF THE DOOR.(1008.1.4)
   D. EXIT DOORS SHALL BE READILY OPENABLE AT ALL TIMES FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE. DOORS OPENING ONTO INTERIOR ENCLOSED STAIRS SHALL NOT BE LOCKED FROM EITHER SIDE EXCEPT THAT DOORS MAY BE LOCKED TO PREVENT ACCESS TO THE STAIR FROM THE OUTSIDE AT STREET LEVEL AS PER SECTION 1008.1.8
7. PANIC AND FIRE EXIT HARDWARE SHALL BE INSTALLED ON ALL EGRESS DOORS FROM OCCUPANCY GROUP "A" OR "I" HAVING AN OCCUPANT LOAD OF 15 PEOPLE OR MORE. AS PER SECTION 1008.1.8
8. REQUIRED EXITS & SMOKE DOORS ARE TO BE SELF-CLOSING (BC 715.3.7) WITH A 1-1/2 HOUR FIRE PROTECTION RATING (TABLE 715.3). EXCEPT: IN THE FIRST STORY OF EXTERIOR WALLS FACING A STREET THAT HAVE A FIRE SEPARATION DISTANCE OF GREATER THAN 15'-0" (BC 704.8.2) THEN DOORS NEED NOT TO BE RATED.
9. STAIRWAYS SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS STATED IN SECTIONS BC 1009 & 1011 INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:
   A. STAIR WIDTH SHALL BE DETERMINED AS SPECIFIED IN SECTION 1005), BUT SUCH WIDTH SHALL NOT BE LESS THAN 44" (BC 1009.1) OR 36" (BC 1009.1.1.2)
   B. AREA OF RESCUE ASSISTANCE SHALL BE 30" X 48" FOR EACH 200 OCCUPANTS. AS PER SECTION 1007.6.1
   C. THE CLEAR HEADROOM SHALL BE AT LEAST 6'-8" MINIMUM, AS SPECIFIED IN SECTION 1009.2.1 (R-2 OCCUPANCY)
   D. LANDINGS AND PLATFORMS PROVIDED AT THE HEAD AND FOOT OF EACH FLIGHT OF STAIRS SHALL HAVE A MINIMUM WIDTH, PERPENDICULAR TO THE DIRECTION OF TRAVEL, OF AT LEAST THE WIDTH OF THE STAIR. IN STRAIGHT RUN STAIRS, THE DISTANCE BETWEEN STAIRS WITHIN THE RUN SHALL NEED NOT BE MORE THAN 48". NO DOOR SHALL SWING ONTO A LANDING AND REDUCE THE EGRESS, REQUIRED CLEAR WIDTH OF THE STAIR OR STAIR PLATFORM TO BE LESS THAN 75% OF THE REQUIRED WIDTH, OR WHEN FULLY OPEN, THE DOOR SHALL NOT PROJECT MORE THAN 7" INTO THE LANDING AS PER SECTION 1009.4
   E. RISERS, TREADS, STRINGERS, LANDINGS, PLATFORMS AND GUARDS EXCLUSIVE OF HANDRAILS SHALL BE BUILT OF NONCOMBUSTIBLE MATERIALS. WHEN TWO STAIRS ARE CONTAINED WITHIN THE SAME ENCLOSURE, EACH STAIR SHALL BE SEPARATED FROM THE OTHER BY NONCOMBUSTIBLE CONSTRUCTION HAVING A FIRE RESISTANCE RATING EQUAL TO THAT REQUIRED FOR THE STAIR ENCLOSURE (BC 1009.5)
   H. ALL INTERIOR STAIRS SHALL EXTEND UP TO THE ROOF (BC 1009.12.1)
   F. STAIRS SHALL HAVE HANDRAILS ON EACH SIDE (EXCEPT STAIRS LESS THAN 44" IN WIDTH) HAVING FINGER CLEARANCE OF 1-1/2" MIN., PROJECTING NOT MORE THAN 4-1/2" INTO THE REQUIRED STAIR WIDTH. HEIGHT OF HANDRAIL SHALL BE UNIFORM, NOT LESS THAN 34" AND NOT MORE THAN 38" MEASURED ABOVE THE STAIR TREAD NOSING. HANDRAILS SHALL BE DESIGNED IN COMPLIANCE WITH SECTION 1009.11
   G. THE MAXIMUM VERTICAL RISE OF A SINGLE FLIGHT OF STAIRS BETWEEN FLOORS IS NOT TO EXCEED 12' EXCEPT IN OCCUPANCY GROUP A AND I WHERE THE VERTICAL RISE IS NOT TO EXCEED 8'-0" (SECTION 1009.8)
   I. INTERIOR REQUIRED STAIRS EXTENDING TO THE ROOF SHALL BE VENTED AS PER THE REQUIREMENTS OF SECTION 910.5
   J. STAIR EXIT DOORS SHALL BE PLACED A DISTANCE APART EQUAL TO NO LESS THAN 1/3-0" IN R2 OCCUPANCY (SECTION 1014.2.1.3)
8. EGRESS CORRIDORS SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS STATED IN SECTIONS BC 101, 1013 THRU 1018, 1020 THRU 1023, 1024 & 1026 INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   A. PROTRUDING OBJECTS ARE PERMITTED TO EXTEND BELOW THE MIN. CEILING HEIGHT REQUIRED PROVIDE THAT A MIN. HEADROOM OF 7'-0" IN HEIGHT IS REQUIRED OVER ANY WALKING SURFACE NOT MORE THAN 50% OF THE CEILING AREA CAN BE REDUCED IN HEIGHT BY PROTRUDING OBJECTS SO AS TO OBSTRUCT FULL VIEW OF EXIT SIGNS. (SECTION 1003.3.1)
   B. CORRIDOR WIDTH SHALL BE DETERMINED AS PER SECTION 1005), BUT NOT LESS THAN 44".
   C. DEAD END CORRIDORS SHALL NOT EXCEEDED 50'-0" IN LENGTH (BC 1016.3)
   D. DOORS WHEN THEY FULLY OPEN & HANDRAILS SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 7". DOORS IN ANY POSITION SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 1/2. OTHER NONSTRUCTURAL PROJECTIONS ARE PERMITTED TO PROJECT INTO THE REQUIRED WIDTH 1.5" ON EACH SIDE. (BC 1020.2)
   E. THE FINISHES IN ALL EXITS SHALL BE OF NONCOMBUSTIBLE MATERIALS AS PER CHAPTER 8 AND SUB-SECTION 1028.4 OF SECTION BC 1003.
   F. THE LOCATION OF EVERY EXIT ON EVERY FLOOR SHALL BE CLEARLY INDICATED BY EXIT SIGNS. (SECTION BC 1011) EXIT SIGN SHALL BE PLACED APART, SO THAT NO POINT IN THE EXIT CORRIDOR IS MORE THAN 100'-0"

MAXIMUM BUILDING OCCUPANCY							MINIMUM EGRESS WIDTH (BC 1005)	
FLOOR	OCCUPANCY GROUP		NET FLOOR AREA PER OCCUPANT (sq.ft.)	NET FLOOR AREA (sq.ft.)	MAXIMUM NUMBER OF OCCUPANTS		REQUIRED	PROVIDED
1st	COMMERCIAL_1	M	30	4,538.16	151		152 x 0.2 = 30.4"	◇+② = 96"
1st	COMMERCIAL_2	M	30	7,927.35	264		264 x 0.2 = 52.84"	◇+② = 96"
1st	COMMERCIAL_3	M	30	1,748.71	58		58 x 0.2 = 11.6"	◇ x 2 = 64"
1st	COMM. RM. ASSEMBLY	A-3	15	734	49	75	75 x 0.2 =15"	◇ x 2 = 64"
	RESIDENTIAL	R-2	200	3,381.37	16			
2nd	RESIDENTIAL	R-2	200	11,401.15	57		57 x 0.2 = 11.4"	◇ x 2 = 64"
3rd	RESIDENTIAL	R-2	200	11,401.15	57		57 x 0.2 = 11.4"	◇ x 2 = 64"
4th	RESIDENTIAL	R-2	200	11,401.15	57		57 x 0.2 = 11.4"	◇ x 2 = 64"
5th	RESIDENTIAL	R-2	200	11,401.15	57		57 x 0.2 = 11.4"	◇ x 2 = 64"
6th	RESIDENTIAL	R-2	200	11,401.15	57		57 x 0.2 = 11.4"	◇ x 2 = 64"
7th	RESIDENTIAL	R-2	200	9,134.86	45		45 x 0.2 = 9"	◇ x 2 = 64"
8th	RESIDENTIAL	R-2	200	8,762.41	43		43 x 0.2 = 8.6"	◇ x 2 = 64"

SYMBOL LEGEND	
	3 HR RATED WALL
	2 HR RATED WALL
	1 HR RATED WALL
	CEILING MOUNTED EXIT SIGN
	WALL MOUNTED EXIT SIGN
	SIGN AT ELEVATOR LANDING
◇	3'-0" WIDE DOOR (2 LEAFS) EXIT CAPACITY = 68" / 0.2 = 340
◇	3'-0" WIDE DOOR (1 LEAF) EXIT CAPACITY = 34" / 0.2 = 170

SPACES WITH ONE MEANS OF EGRESS		
OCCUPANCY GROUP		MAXIMUM OCCUPANT LOAD
ASSEMBLY	A-3	74
RESIDENTIAL	R-2	20
STORAGE	S-2	30

MAXIMUM TRAVEL DISTANCE (W/ SPRINKLERS)			
OCCUPANCY GROUP		MAX. PERMITTED (ft.)	PROVIDED (ft.)
ASSEMBLY	A-3	150'-0"	36'-4"
RESIDENTIAL	R-2	200'-0"	196'-3"

* SEE NYC BUILDING CODE TABLE 1015.1 FOR MORE INFORMATION

* DEAD END IN R-2 OCCUPANCY SHALL NOT EXCEED 50'
ALL FLOORS COMPLY - BC 1016.3

OCCUPANT LOAD TABLE	
ROOM NAME	OCCUPANT LOAD
RECREATION ROOM	58
OUTDOOR REC SPACE	74
LAUNDRY ROOM	15
BIKE STORAGE	15

MINIMUM WIDTH OF EGRESS			
	NYC BUILDING CODE SECTION	MIN. REQUIRED (in.)	PROVIDED (in.)
STAIRWAYS	1009.1	44"	44"
CORRIDOR	1016.2	44"	60"

TRAVEL DISTANCE WITHIN DWELLING UNIT	
UNIT TYPE	TRAVEL DISTANCE
A	29'-8"
A.1	51'-1"
B	32'-5"
B.1	28'-9"
C	42'-1"

DATE	REVISIONS
9-12-13	ISSUED TO DOB FOR REVIEW AND COMMENT

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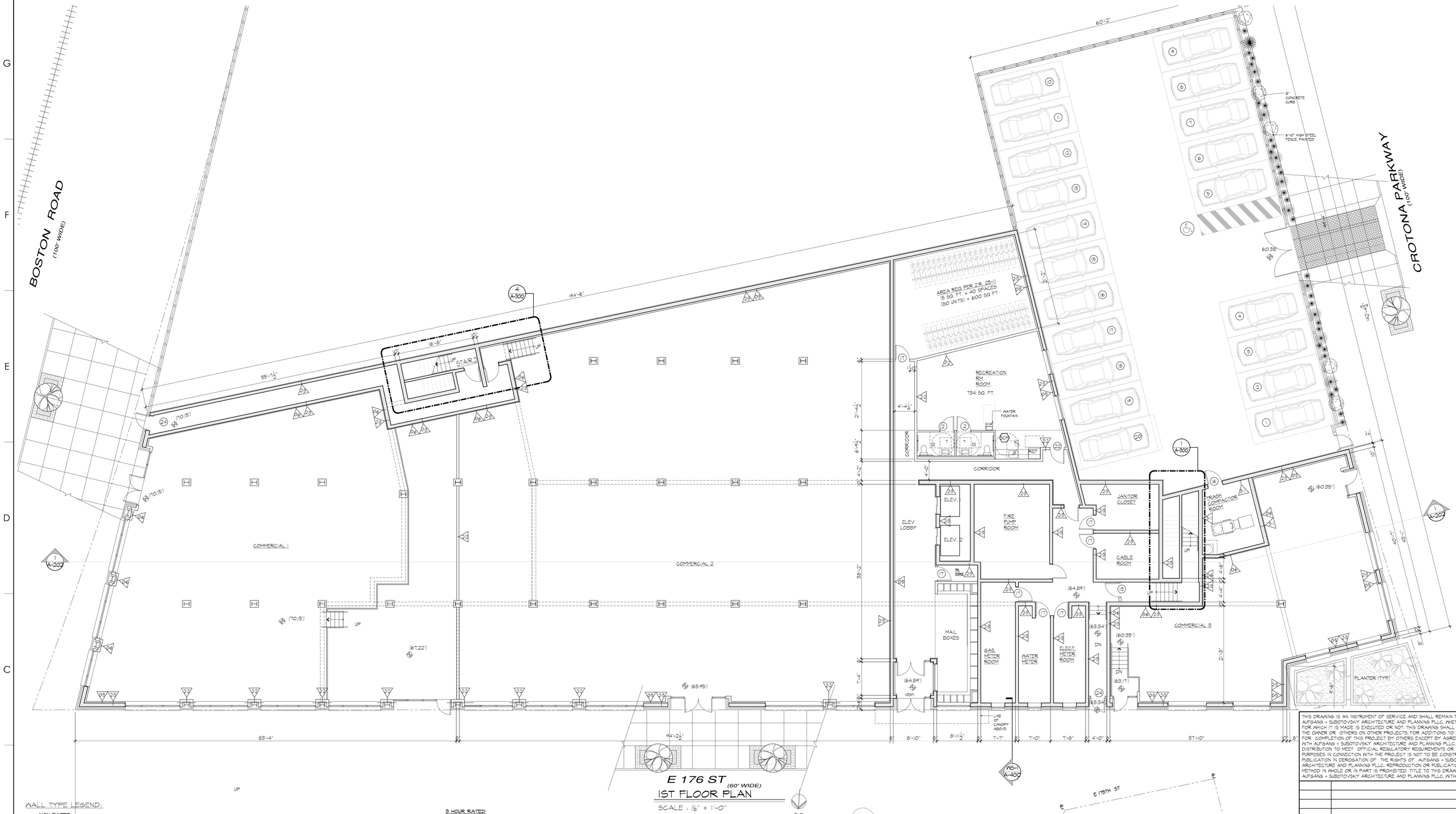
PROPOSED NEW DEVELOPMENT FOR:
CROTONA PLAZA
BOSTON RD, BRONX ,NY 10460

3RD THRU 8TH FLOOR EGRESS PLANS

DATE:	8-21-13
PROJECT NO:	1222
DRAWN BY:	SZ
CHECKED BY:	RK
DRAWING NO:	G-004.00
SCALE: AS NOTED	SHEET NO: 10 of 23
NYC DOB NUMBER:	XXXXXXXXXX

FILE#



WALL TYPE LEGEND:

NON RATED

A1 PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ONE SIDE OF 2" METAL STUDS @ 16" O.C.

A2 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.

A3 BATHROOM CHASE WALL PARTITION - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ONE SIDE OF 2" METAL STUDS @ 16" O.C.

A4 PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. (@ APARTMENT ELECTRICAL PANEL)

A5 FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 1/2" (R-15) BATT INSULATION UNFACED

A6 FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1 1/2" 'Z' METAL FURRINS @ 16" O.C.

A7 FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL FURRING CHANNELS @ 16" O.C.

1 HOUR RATED

A8 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE 'X' GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE/METAL DECK AND/OR ROOF DECK W/ CONT. FIRESTOP SEALANT& FIRESAFING INSULATION (GA FILE #AP-1052) (STC 50-54)

A9 1 HOUR RATED TENANT SEPARATION CHASEWALL - (2)ROWS OF (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL STUDS @ 16" O.C. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. SEAL ALL PENETRATIONS THRU CHASEWALL WITH FIRESAFING INSULATION AND CONT. FIRESTOP SEALANT AS REQ. PROVIDE HORIZONTAL 2½" MTL STUD BRACING @ 48" O.C. MAX. (UL #V442) (PROVIDE INSUL. AS REQ. TO ACHIEVE A MIN STC RATING OF 50)

2 HOUR RATED

A10 2 HOUR RATED EXTERIOR PARTITION - (2) LAYERS OF 3/4" TYPE "X" GYPSUM BOARD, (INSIDE) 5/8" EXP EXTERIOR GYPSUM BOARD SHEATHING (OUTSIDE) OVER 3 5/8" GA 18 GALV. METAL STUDS @ 16" O.C. WITH 3½" BATT INSULATION (UNFACED) (R-15) (UL-424)

A11 2 HOUR RATED INTERIOR PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION, EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR METAL DECK OR ROOF DECK. SEAL TIGHT TO DECK W/ CONT. FIRESTOP SEALANT & FIRESAFING. (GA FILE #AP-1522 STC 55-59).

A12 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE/METAL BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE/METAL DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #UR06)

A13 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF 5/8" TYPE 'X' GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE 'X' GYPSUM LINER PANEL ON SHAFT SIDE. W/ 1" MINERAL FIBER INSULATION IN CAVITY SEAL TOP OF WALL TIGHT TO UNDERSIDE OF CONCRETE DECK W/ CONT. FIRESTOP SEALANT. GA FILE #4085 (STC-45-48)

3 HOUR RATED

A14 3 HOUR RATED WALL - (1) LAYER 1/2" TYPE 'X' GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORCING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE/METAL FLOOR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE A GAP EXISTS BETWEEN TOP OF WALL AND BOTTOM OF CONCRETE/METAL DECK. (UL #UR14) (PROVIDE STC RATING OF 50-54 COMPACTOR CHUTE FOR SHAFT ADJACENT TO DWELLING UNITS)

GENERAL NOTES:

1. FOR KITCHEN AND TOILET ELEVATIONS SEE DRAWING A-501.
2. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN CONC/METAL DECK WITH MECHANICAL DRAWINGS CONTRACTOR SHALL COORDINATE SIZE AND LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR ENTRANCES WITH ELEVATOR VENDOR.
3.
4. ALL ENLARGED PLAN DIMENSIONS ARE TAKEN FINISH TO FINISH (U.O.N.).

LEGEND:

- CONCRETE FOUNDATION WALL
- CONCRETE BLOCK WALL - 2HR FIRE RATED
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- MASONRY VENEER
- REMOVABLE KITCHEN BASE CABINET 2'-6" WIDE BY 2'-0" DEEP
- PARTITION - SEE WALL TYPE LEGEND
- HANDICAP ADAPTABLE APARTMENT UNIT
- U.F.A.S. ACCESSIBLE EFFICIENCY UNIT (TOTAL 4 UNITS)
- U.F.A.S. COMPLIANT H.V.I. EFFICIENCY UNIT- OUTFITTED FOR PEOPLE W/ HEARING OR VISUAL IMPAIRMENTS (TOTAL 2 UNIT)
- 5'-0" DIAMETER CLEAR HANDICAP FLOOR TURNING SPACE.
- "T" FLOOR TURNING SPACE
- 30" X 48" CLEAR FLOOR SPACE
- FIRE RATED SHAFT WALL.
- CARBON MONOXIDE DETECTOR
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- ELECTRIGAL PANEL UNIT
- SUSPENDED GYPSUM BOARD

DATE	REVISIONS
9-12-13	ISSUED TO DOB FOR REVIEW AND COMMENT
8-28-13	ISSUED TO HPD FOR REVIEW AND COMMENT

asap Aufgang + Subotovsky Architecture and Planning PLLC
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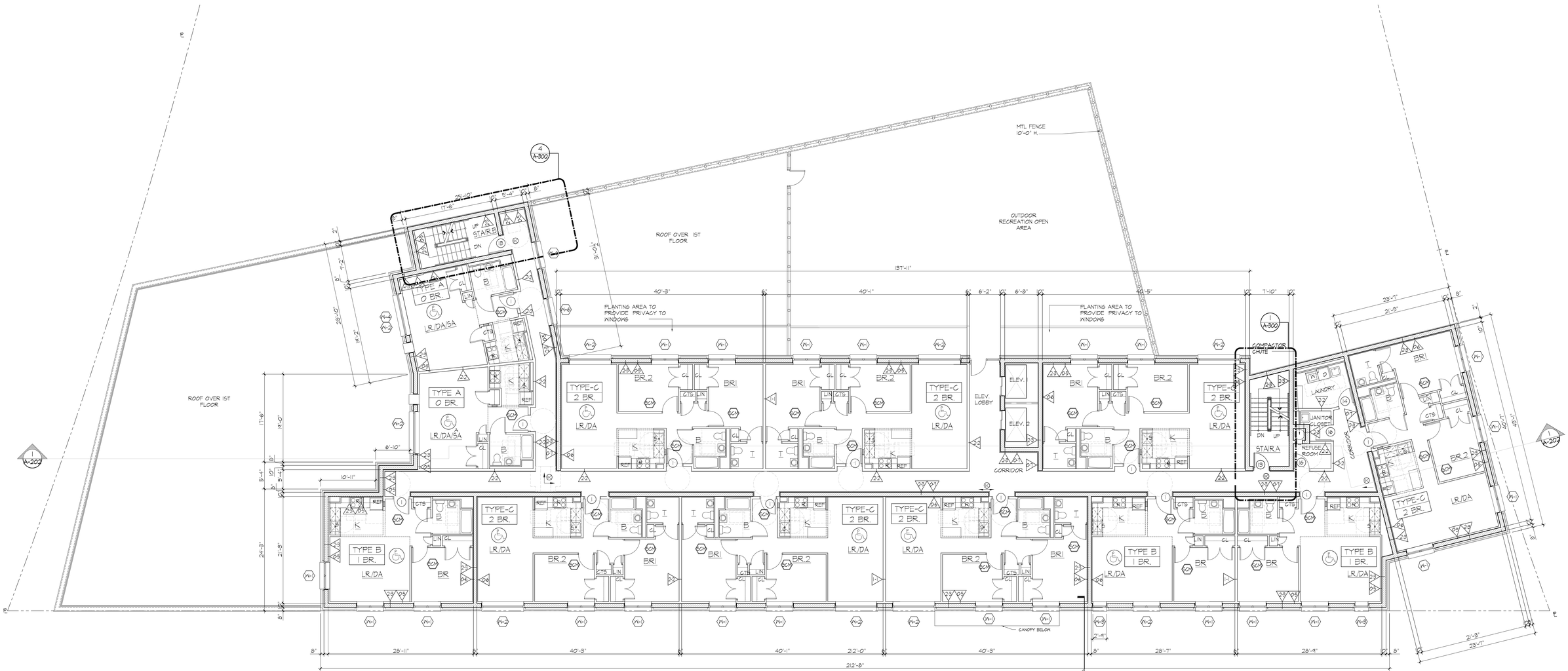
PROPOSED NEW DEVELOPMENT FOR:
CROTONA PLAZA
BOSTON RD, BRONX ,NY 10460

1ST FLOOR PLAN

DATE:	8-28-13
PROJECT NO:	1222
DRAWN BY:	SZ
CHECKED BY:	RK
DRAWING NO:	A-100.00
SCALE: AS NOTED	SHEET NO: 11 of 23

NYC DOB NUMBER: XXXXXXXXX

FILE#



2ND FLOOR PLAN

SCALE : 1/8" = 1'-0"

WALL TYPE LEGEND:

NON RATED

A PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ONE SIDE OF 2" METAL STUDS @ 16" O.C.

A1 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.

A2 BATHROOM CHASE WALL PARTITION - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ONE SIDE OF 2" METAL STUDS @ 16" O.C.

A3 PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD, ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. (@ APARTMENT ELECTRICAL PANEL)

A4 FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 1/2" (R-15) BATT INSULATION UNFACED

A5 FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1 1/2" Z" METAL FURRING @ 16" O.C.

A6 FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL FURRING CHANNELS @ 16" O.C.

1 HOUR RATED

A1 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE/METAL DECK AND/OR ROOF DECK W/ CONT. FIRESTOP SEALANT& FIRESAFING INSULATION (GA FILE #XP-1052) (STC 50-54)

A1 1 HOUR RATED TENANT SEPARATION CHASEWALL - (2)ROWS OF (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL STUDS @ 16" O.C. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. SEAL ALL PENETRATIONS THRU CHASEWALL WITH FIRESAFING INSULATION AND CONT. FIRESTOP SEALANT AS REQ. PROVIDE HORIZONTAL 2½" MTL STUD BRACING @ 48" O.C. MAX. (UL #V442) (PROVIDE INSUL. AS REQ. TO ACHIEVE A MIN STC RATING OF 50)

2 HOUR RATED

A2 2 HOUR RATED EXTERIOR PARTITION - (2) LAYERS OF 3/4" TYPE "X" GYPSUM BOARD, (INSIDE), 5/8" EXP EXTERIOR GYPSUM BOARD SHEATHING (OUTSIDE) OVER 3 5/8" - 16 GA/LY. METAL STUDS @ 16" O.C. WITH 3½" BATT INSULATION (UNFACED) (R-15) (UL-424)

A3 2 HOUR RATED INTERIOR PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR METAL DECK OR ROOF DECK. SEAL TIGHT TO DECK W/ CONT. FIRESTOP SEALANT & FIRESAFING. (GA FILE #AP-1522 STC 55-59).

A3 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORGING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE/METAL BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE/METAL DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #UR06)

A4 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF ½" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2½" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM LINER PANEL ON SHAFT SIDE. W/ 1" MINERAL FIBER INSULATION IN CAVITY. SEAL TOP OF WALL TIGHT TO UNDERSIDE OF CONCRETE DECK W/ CONT. FIRESTOP SEALANT. GA FILE #4085 (STC-45-48)

3 HOUR RATED

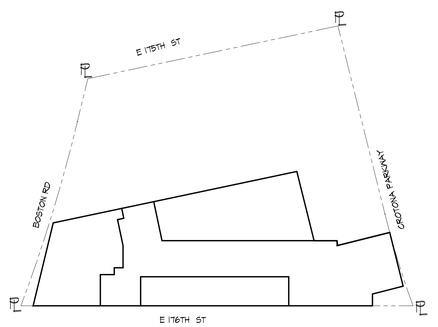
A3 3 HOUR RATED WALL - (1) LAYER ½" TYPE "X" GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORGING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE/METAL FLOOR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE A GAP EXISTS BETWEEN TOP OF WALL AND BOTTOM OF CONCRETE/METAL DECK. (UL #UR14) (PROVIDE STC RATING OF 50-54 COMPACTOR CHUTE FOR SHAFT ADJACENT TO DWELLING UNITS)

GENERAL NOTES:

1. FOR KITCHEN AND TOILET ELEVATIONS SEE DRAWING A-501.
2. S.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN CONC/METAL DECK WITH MECHANICAL DRAWINGS CONTRACTOR SHALL COORDINATE SIZE AND LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR ENTRANCES WITH ELEVATOR VENDOR.
3. ALL ENLARGED PLAN DIMENSIONS ARE TAKEN FINISH TO FINISH (U.O.N.).

LEGEND:

- CONCRETE FOUNDATION WALL
- CONCRETE BLOCK WALL - 2HR FIRE RATED
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- MASONRY VENEER
- REMOVABLE KITCHEN BASE CABINET 2'-6" WIDE BY 2'-0" DEEP
- PARTITION - SEE WALL TYPE LEGEND
- HANDICAP ADAPTABLE APARTMENT UNIT
- U.F.A.S. ACCESSIBLE EFFICIENCY UNIT (TOTAL 4 UNITS)
- U.F.A.S. COMPLIANT H.V.I. EFFICIENCY UNIT- OUTFITTED FOR PEOPLE W/ HEARING OR VISUAL IMPAIRMENTS (TOTAL 2 UNIT)
- 5'-0" DIAMETER CLEAR HANDICAP FLOOR TURNING SPACE.
- "T" FLOOR TURNING SPACE
- 30" X 48" CLEAR FLOOR SPACE
- FIRE RATED SHAFT WALL.
- CARBON MONOXIDE DETECTOR
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- ELECTRICAL PANEL UNIT
- SUSPENDED GYPSUM BOARD



KEY PLAN
NOT TO SCALE

DATE	REVISIONS
9-12-13	ISSUED TO DOB FOR REVIEW AND COMMENT
8-28-13	ISSUED TO HPD FOR REVIEW AND COMMENT

Aufgang + Subotovsky
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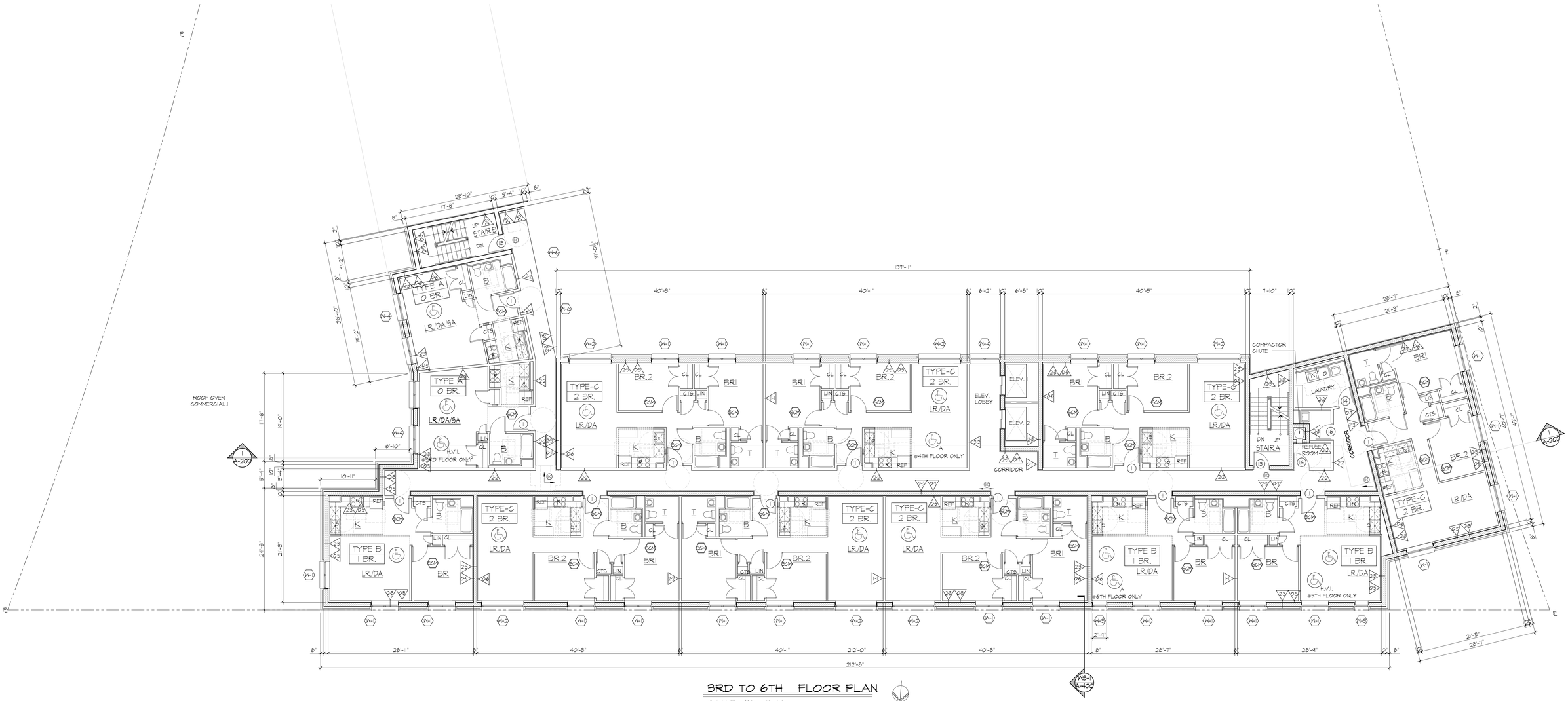
PROPOSED NEW DEVELOPMENT FOR:
CROTONA PLAZA
BOSTON RD, BRONX ,NY 10460

2ND FLOOR PLAN

DATE:	8-28-13
PROJECT NO:	1222
DRAWN BY:	SZ
CHECKED BY:	RK
DRAWING NO:	A-101.00
SCALE: AS NOTED	SHEET NO: 12 of 23
NYC DOB NUMBER:	XXXXXXXXX

#1222_A-101



3RD TO 6TH FLOOR PLAN

SCALE : 1/8" = 1'-0"

N

WALL TYPE LEGEND:

NON RATED

A PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ONE SIDE OF 2" METAL STUDS @ 16" O.C.

A1 TYPICAL PARTITION - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 1/2" METAL STUDS @ 16" O.C.

A2 BATHROOM CHASE WALL PARTITION - (1) LAYER 5/8" TYPE "X" WATER RESISTANT GYPSUM BOARD ONE SIDE OF 2" METAL STUDS @ 16" O.C.

A3 PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD, ON EACH SIDE OF 3 5/8" METAL STUDS @ 16" O.C. (@ APARTMENT ELECTRICAL PANEL)

A4 FURRING AT EXTERIOR CMU WALL - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" GALV. METAL STUDS @ 16 O.C. WITH 3 1/2" (R-15) BATT INSULATION UNFACED

A5 FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 1 1/2" Z" METAL FURRING @ 16" O.C.

A6 FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER 5/8" TYPE "X" GYPSUM BOARD OVER 7/8" METAL FURRING CHANNELS @ 16" O.C.

1 HOUR RATED

A1 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF 5/8" TYPE "X" GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF 5/8" TYPE "X" GYPSUM BOARD ON OTHER SIDE OF 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE/METAL DECK AND/OR ROOF DECK W/ CONT. FIRESTOP SEALANT& FIRESAFING INSULATION (GA FILE #AP-1052) (STC 50-54)

A1 1 HOUR RATED TENANT SEPARATION CHASEWALL - (2)ROWS OF (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2 1/2" METAL STUDS @ 16" O.C. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. SEAL ALL PENETRATIONS THRU CHASEWALL WITH FIRESAFING INSULATION AND CONT. FIRESTOP SEALANT AS REQ. PROVIDE HORIZONTAL 2½" MTL STUD BRACING @ 48" O.C. MAX. (UL #V442) (PROVIDE INSUL. AS REQ. TO ACHIEVE A MIN STC RATING OF 50)

2 HOUR RATED

A2 2 HOUR RATED EXTERIOR PARTITION - (2) LAYERS OF 3/4" TYPE "X" GYPSUM BOARD, (INSIDE), 5/8" EXP EXTERIOR GYPSUM BOARD SHEATHING (OUTSIDE) OVER 3 5/8" - 16 GA/LY. METAL STUDS @ 16" O.C. WITH 3½" BATT INSULATION (UNFACED) (R-15) (UL-424)

A3 2 HOUR RATED INTERIOR PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE 3 5/8" METAL STUDS @ 16" O.C. WITH 3 1/2" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR METAL DECK OR ROOF DECK. SEAL TIGHT TO DECK W/ CONT. FIRESTOP SEALANT & FIRESAFING. (GA FILE #AP-1522 STC 55-59).

A3 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORGING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE/METAL BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE/METAL DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #UR06)

A4 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF ½" TYPE "X" GYPSUM BOARD ON ONE SIDE OF 2 ½" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM LINER PANEL ON SHAFT SIDE. W/ 1" MINERAL FIBER INSULATION IN CAVITY. SEAL TOP OF WALL TIGHT TO UNDERSIDE OF CONCRETE DECK W/ CONT. FIRESTOP SEALANT. GA FILE #4085 (STC-45-49)

3 HOUR RATED

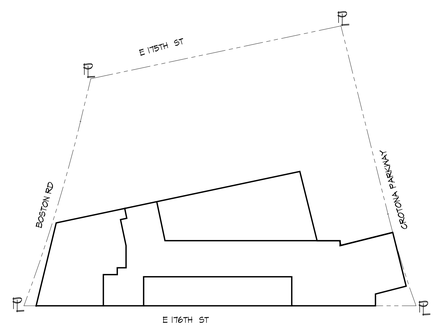
A5 3 HOUR RATED WALL - (1) LAYER ½" TYPE "X" GYPSUM BOARD OVER 7/8" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORGING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE/METAL FLOOR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE A GAP EXISTS BETWEEN TOP OF WALL AND BOTTOM OF CONCRETE/METAL DECK. (UL #UR14) (PROVIDE STC RATING OF 50-54 COMPACTOR CHUTE FOR SHAFT ADJACENT TO DWELLING UNITS)

GENERAL NOTES:

1. FOR KITCHEN AND TOILET ELEVATIONS SEE DRAWING A-501.
2. S.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN CONC/METAL DECK WITH MECHANICAL DRAWINGS CONTRACTOR SHALL COORDINATE SIZE AND LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR ENTRANCES WITH ELEVATOR VENDOR.
3. ALL ENLARGED PLAN DIMENSIONS ARE TAKEN FINISH TO FINISH (U.O.N.).

LEGEND:

- CONCRETE FOUNDATION WALL
- CONCRETE BLOCK WALL - 2HR FIRE RATED
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- MASONRY VENEER
- REMOVABLE KITCHEN BASE CABINET 2'-6" WIDE BY 2'-0" DEEP
- PARTITION - SEE WALL TYPE LEGEND
- HANDICAP ADAPTABLE APARTMENT UNIT
- U.F.A.S. ACCESSIBLE EFFICIENCY UNIT (TOTAL 4 UNITS)
- U.F.A.S. COMPLIANT H.V.I. EFFICIENCY UNIT- OUTFITTED FOR PEOPLE W/ HEARING OR VISUAL IMPAIRMENTS (TOTAL 2 UNIT)
- 5'-0" DIAMETER CLEAR HANDICAP FLOOR TURNING SPACE.
- "T" FLOOR TURNING SPACE
- 30" X 48" CLEAR FLOOR SPACE
- FIRE RATED SHAFT WALL.
- CARBON MONOXIDE DETECTOR
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- ELECTRICAL PANEL UNIT
- SUSPENDED GYPSUM BOARD



KEY PLAN

NOT TO SCALE

N

DATE	REVISIONS
9-12-13	ISSUED TO DOB FOR REVIEW AND COMMENT
8-28-13	ISSUED TO HPD FOR REVIEW AND COMMENT

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PROPOSED NEW DEVELOPMENT FOR:

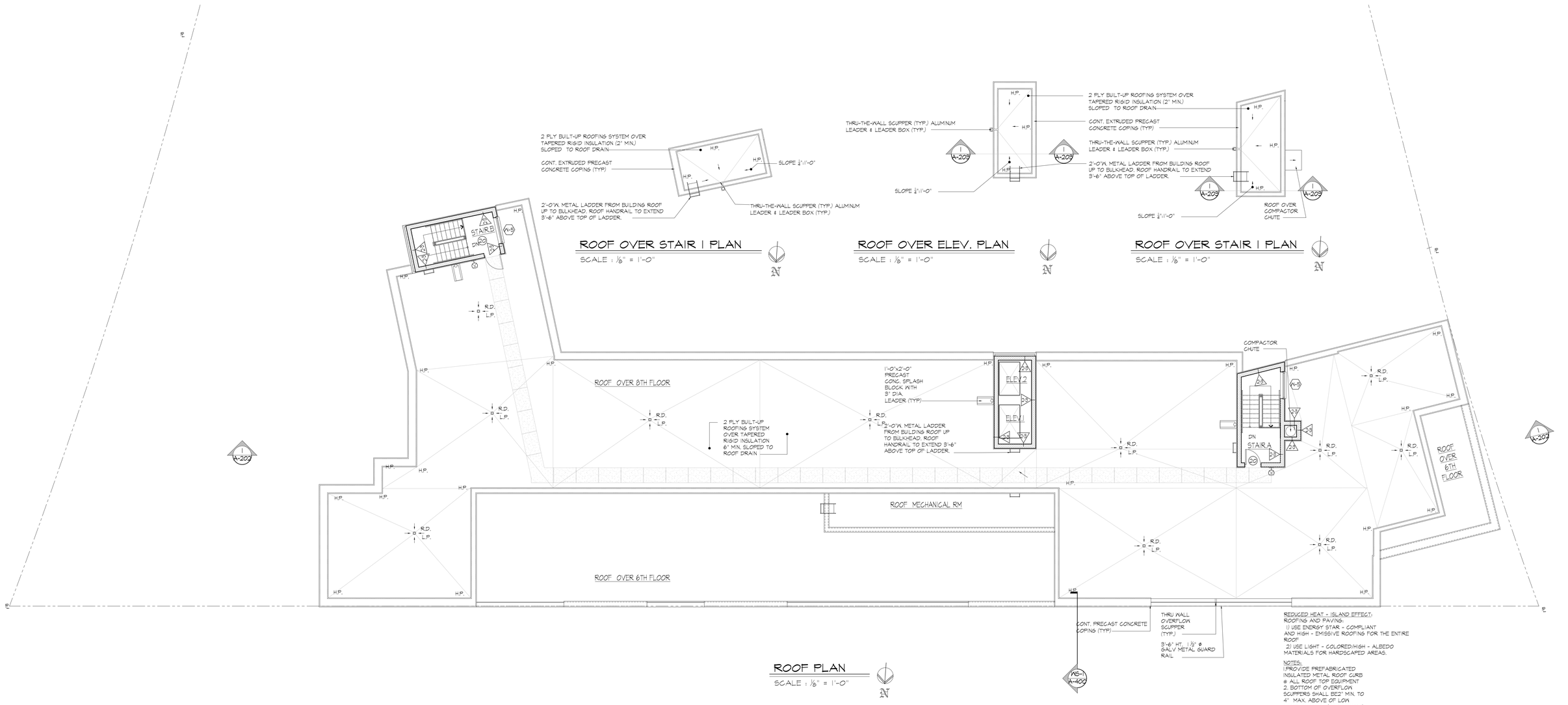
CROTONA PLAZA

BOSTON RD, BRONX ,NY 10460

3RD TO 6TH FLOOR PLAN

DATE:	8-28-13
PROJECT NO:	1222
DRAWN BY:	SZ
CHECKED BY:	RK
DRAWING NO:	A-102.00
SCALE: AS NOTED	SHEET NO: 13 of 23
NYC DOB NUMBER:	XXXXXXXXX

FILE#



WALL TYPE LEGEND:

NON RATED

A PARTITION (1) LAYER ⅝" TYPE "X" GYPSUM BOARD ONE SIDE OF 2" METAL STUDS @ 16" O.C.

A TYPICAL PARTITION - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD ON EACH SIDE OF 2 ½" METAL STUDS @ 16" O.C.

A BATHROOM CHASE WALL PARTITION - (1) LAYER ⅝" TYPE "X" WATER RESISTANT GYPSUM BOARD ONE SIDE OF 2" METAL STUDS @ 16" O.C.

A PARTITION - (1) LAYER OF ⅝" TYPE "X" GYPSUM BOARD, ON EACH SIDE OF 3 ⅝" METAL STUDS @ 16" O.C. (@ APARTMENT ELECTRICAL PANEL)

A FURRING AT EXTERIOR CMU WALL - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD ON 3 ⅝" GALV. METAL STUDS @ 16 O.C. WITH 3 ½" (R-15) BATT INSULATION UNFACED

A FURRING AT INTERIOR CMU WALL (APARTMENT SIDE) - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD OVER 1 ½" 'Z' METAL FURRING @ 16" O.C.

A FURRING AT INTERIOR CMU WALL (PUBLIC CORRIDOR SIDE) - (1) LAYER ⅝" TYPE "X" GYPSUM BOARD OVER ⅞" METAL FURRING CHANNELS @ 16" O.C.

1 HOUR RATED

A 1 HOUR RATED TENANT SEPARATION PARTITION - (1) LAYER OF ⅝" TYPE 'X' GYPSUM BOARD ON (1) SIDE, (2) LAYERS OF ⅝" TYPE 'X' GYPSUM BOARD ON OTHER SIDE OF 3 ⅝" METAL STUDS @ 16" O.C. WITH 3 ½" SOUND ATTENUATION INSULATION. EXTEND STUDS & GYPSUM BOARD UP TO UNDERSIDE OF CONCRETE DECK & SEAL TIGHT TO UNDERSIDE OF CONCRETE/METAL DECK AND/OR ROOF DECK W/ CONT. FIRESTOP SEALANT& FIRESAFING INSULATION (GA FILE #AP-1052) (STC 50-54)

A 1 HOUR RATED TENANT SEPARATION CHASEWALL - (2)ROWS OF (1) LAYER ⅝" TYPE 'X' GYPSUM BOARD ON ONE SIDE OF 2 ½" METAL STUDS @ 16" O.C. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR PLANK OR ROOF PLANK. SEAL TIGHT TO PLANK WITH CONT. FIRESTOP SEALANT. SEAL ALL PENETRATIONS THRU CHASEWALL WITH FIRESAFING INSULATION AND CONT. FIRESTOP SEALANT AS REQ. PROVIDE HORIZONTAL 2½" MTL STUD BRACING @ 48" O.C. MAX. (UL #W442) (PROVIDE INSUL. AS REQ. TO ACHIEVE A MIN STC RATING OF 50)

2 HOUR RATED

A 2 HOUR RATED EXTERIOR PARTITION - (2) LAYERS OF 3/4" TYPE "X" GYPSUM BOARD, (INSIDE) ⅝" EXP. EXTERIOR GYPSUM BOARD SHEATHING (OUTSIDE) OVER 3 ⅝ " GA 18 GALV. METAL STUDS @ 16" O.C. WITH 3½" BATT INSULATION (UNFACED) (R-15) (UL-424)

A 2 HOUR RATED INTERIOR PARTITION - (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON EACH SIDE 3 ⅝" METAL STUDS @ 16" O.C. WITH 3 ½" SOUND ATTENUATION INSULATION. EXTEND GYPSUM BOARD & STUDS UP TO UNDERSIDE OF FLOOR METAL DECK OR ROOF DECK. SEAL TIGHT TO DECK W/ CONT. FIRESTOP SEALANT & FIRESAFING. (GA FILE #AP-1522 STC 55-59).

A 2 HOUR RATED CMU WALL - CMU WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORGING AT ALTERNATE BLOCK COURSES. SEAL TOP OF CONCRETE/METAL BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE/METAL DECK OR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE GAP EXIST. BETWEEN TOP OF WALL AND BOTTOM OF DECK (UL #U906)

A 2 HOUR RATED MECHANICAL SHAFT WALL - (2) LAYERS OF ½" TYPE 'X' GYPSUM BOARD ON ONE SIDE OF 2 ½" METAL C-H STUDS @ 24" O.C. WITH (1) LAYER OF 1" TYPE "X" GYPSUM LINER PANEL ON SHAFT SIDE. W/ 1" MINERAL FIBER INSULATION IN CAVITY. SEAL TOP OF WALL TIGHT TO UNDERSIDE OF CONCRETE DECK W/ CONT. FIRESTOP SEALANT. GA FILE #4085 (STC-45-48)

3 HOUR RATED

A 3 HOUR RATED WALL - (1) LAYER ½" TYPE "X" GYPSUM BOARD OVER ⅞" METAL HAT CHANNELS @ 24" O.C. OVER 2 HR RATED CONCRETE BLOCK WALL WITH CONT. GALVANIZED HORIZONTAL TRUSS TYPE REINFORGING AT ALTERNATE COURSES. SEAL TOP OF CONCRETE BLOCK WALL TIGHT TO UNDERSIDE OF CONCRETE/METAL FLOOR DECK ABOVE WITH CONT. FIRESTOP SEALANT AND FIRESAFING INSULATION WHERE A GAP EXISTS BETWEEN TOP OF WALL AND BOTTOM OF CONCRETE/METAL DECK. (UL #UW14) (PROVIDE STC RATING OF 50-54 COMPACTOR CHUTE FOR SHAFT ADJACENT TO DWELLING UNITS)

GENERAL NOTES:

1. FOR KITCHEN AND TOILET ELEVATIONS SEE DRAWING A-501.
2. G.C. SHALL COORDINATE SIZE & LOCATION OF ALL HVAC OPENINGS IN CONC/METAL DECK WITH MECHANICAL DRAWINGS CONTRACTOR SHALL COORDINATE SIZE AND LOCATION OF ALL MASONRY OPENINGS AT ELEVATOR ENTRANCES WITH ELEVATOR VENDOR.
3. ALL ENLARGED PLAN DIMENSIONS ARE TAKEN FINISH TO FINISH (U.O.N.).
4. ALL ENLARGED PLAN DIMENSIONS ARE TAKEN FINISH TO FINISH (U.O.N.).

LEGEND:

- CONCRETE FOUNDATION WALL
- CONCRETE BLOCK WALL - 2HR FIRE RATED
- GYPSUM BOARD PARTITION - SEE PLAN FOR SIZE.
- MASONRY VENEER
- REMOVABLE KITCHEN BASE CABINET 2'-6" WIDE BY 2'-0" DEEP
- PARTITION - SEE WALL TYPE LEGEND
- HANDICAP ADAPTABLE APARTMENT UNIT
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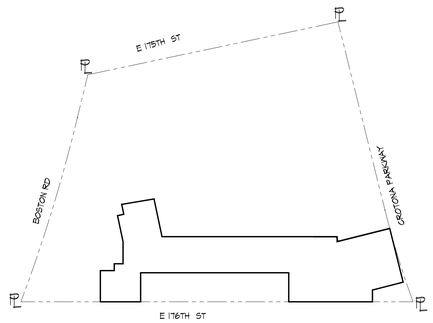
- U.F.A.S. COMPLIANT H.V.I. EFFICIENCY UNIT- OUTFITTED FOR PEOPLE W/ HEARING OR VISUAL IMPAIRMENTS (TOTAL 2 UNIT)
- 5'-0" DIAMETER CLEAR HANDICAP FLOOR TURNING SPACE.
- "T" FLOOR TURNING SPACE
- 30" X 48" CLEAR FLOOR SPACE
- FIRE RATED SHAFT WALL.
- CARBON MONOXIDE DETECTOR
- EXIT LIGHT AND SIGN - CEILING MOUNTED
- EXIT LIGHT AND SIGN - WALL MOUNTED
- ELECTRICAL PANEL UNIT
- SUSPENDED GYPSUM BOARD



DATE	REVISIONS
9-12-13	ISSUED TO DOB FOR REVIEW AND COMMENT
8-28-13	ISSUED TO H.P.D FOR REVIEW AND COMMENT

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PROPOSED NEW DEVELOPMENT FOR:

CROTONA PLAZA

BOSTON RD, BRONX ,NY 10460

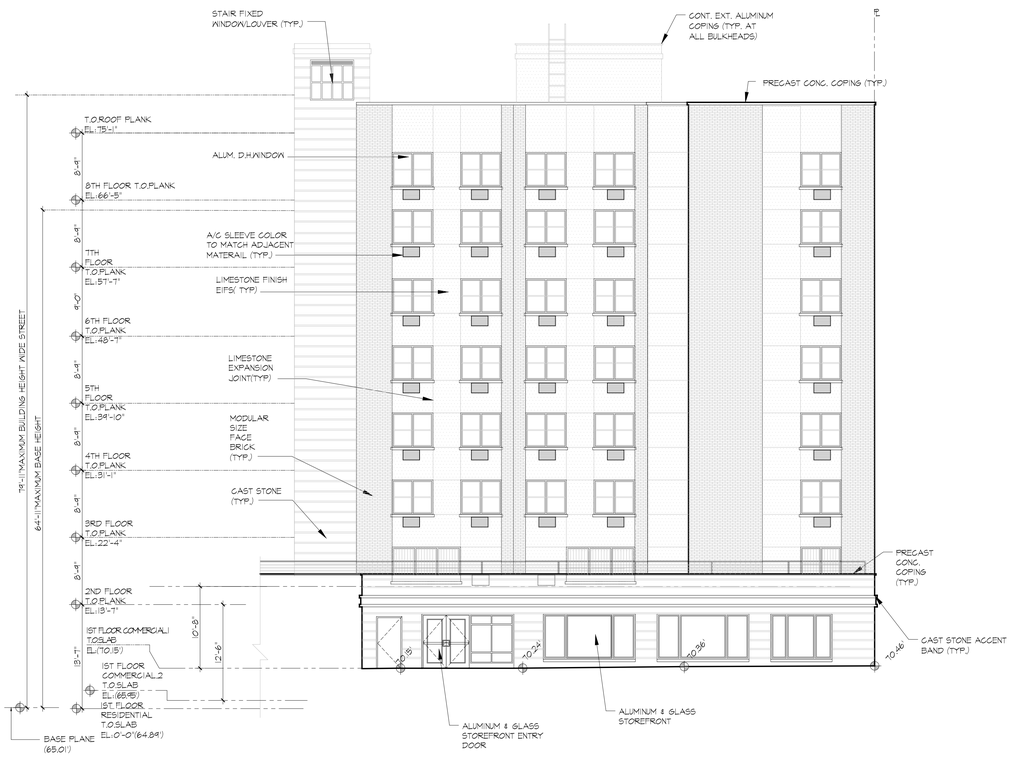
ROOF AND BULKHEAD PLANS

DATE:	8-28-13
PROJECT NO:	1222
DRAWN BY:	SZ
CHECKED BY:	RK
DRAWING NO:	A-104.00
SCALE: AS NOTED	SHEET NO: 15 of 23
NYC DOB NUMBER:	XXXXXXXXX

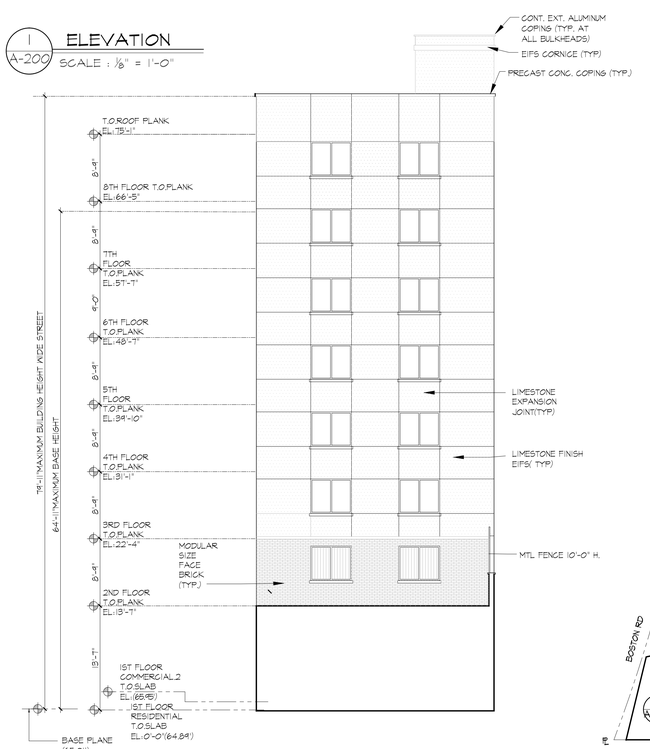
#1222_A-104

ROOF PLAN

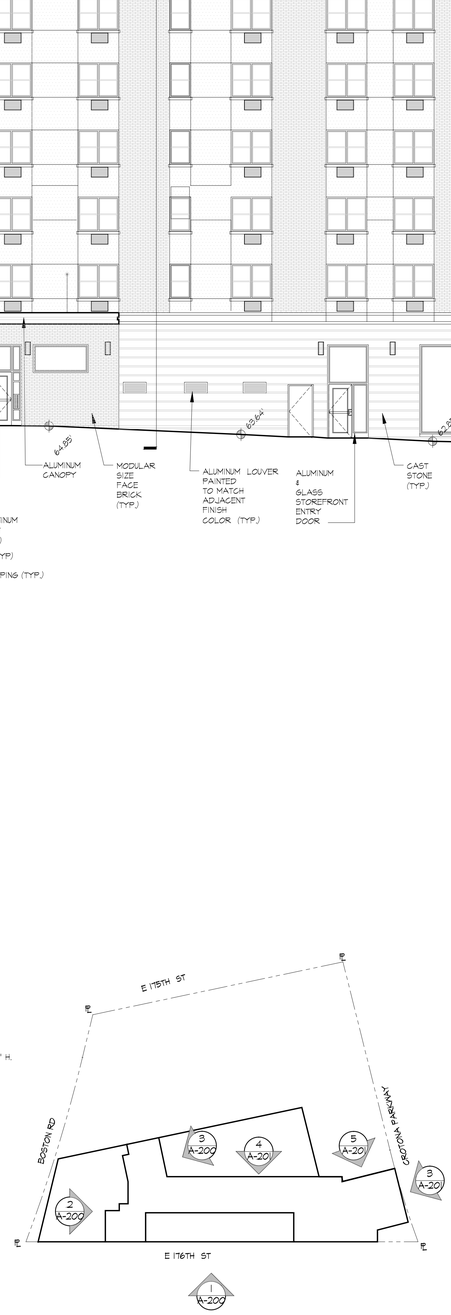
1 A-200 **ELEVATION**
SCALE : 1/8" = 1'-0"



2 A-200 **DEVELOPED ELEVATION**
SCALE : 1/8" = 1'-0"



3 A-200 **ELEVATION**
SCALE : 1/8" = 1'-0"



KEY PLAN
NOT TO SCALE

DATE	REVISIONS
9-12-13	ISSUED TO DOB FOR REVIEW AND COMMENT
8-28-13	ISSUED TO HPD FOR REVIEW AND COMMENT

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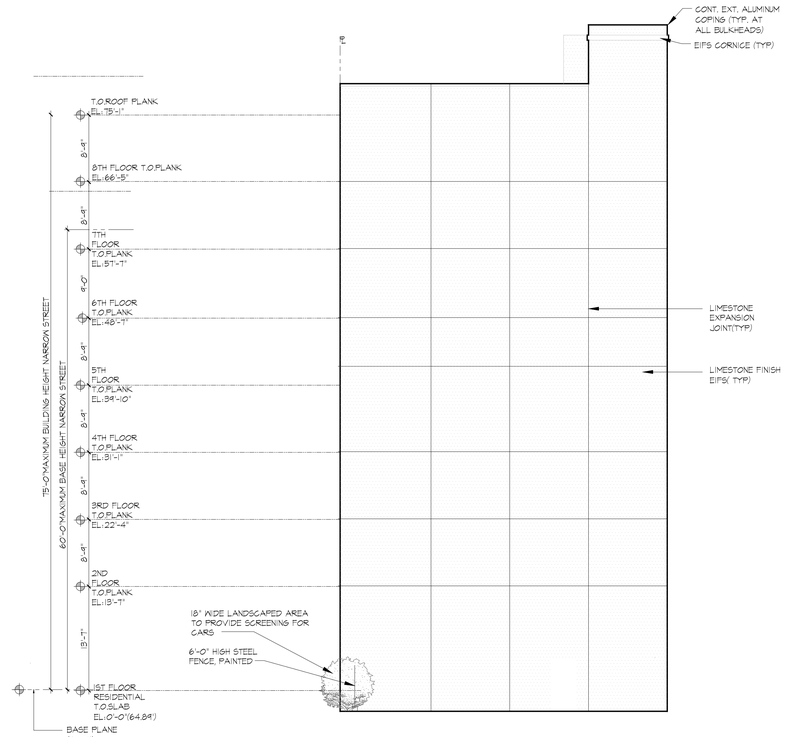
PROPOSED NEW DEVELOPMENT FOR:
CROTONA PLAZA
BOSTON RD, BRONX ,NY 10460

EXTERIOR ELEVATIONS

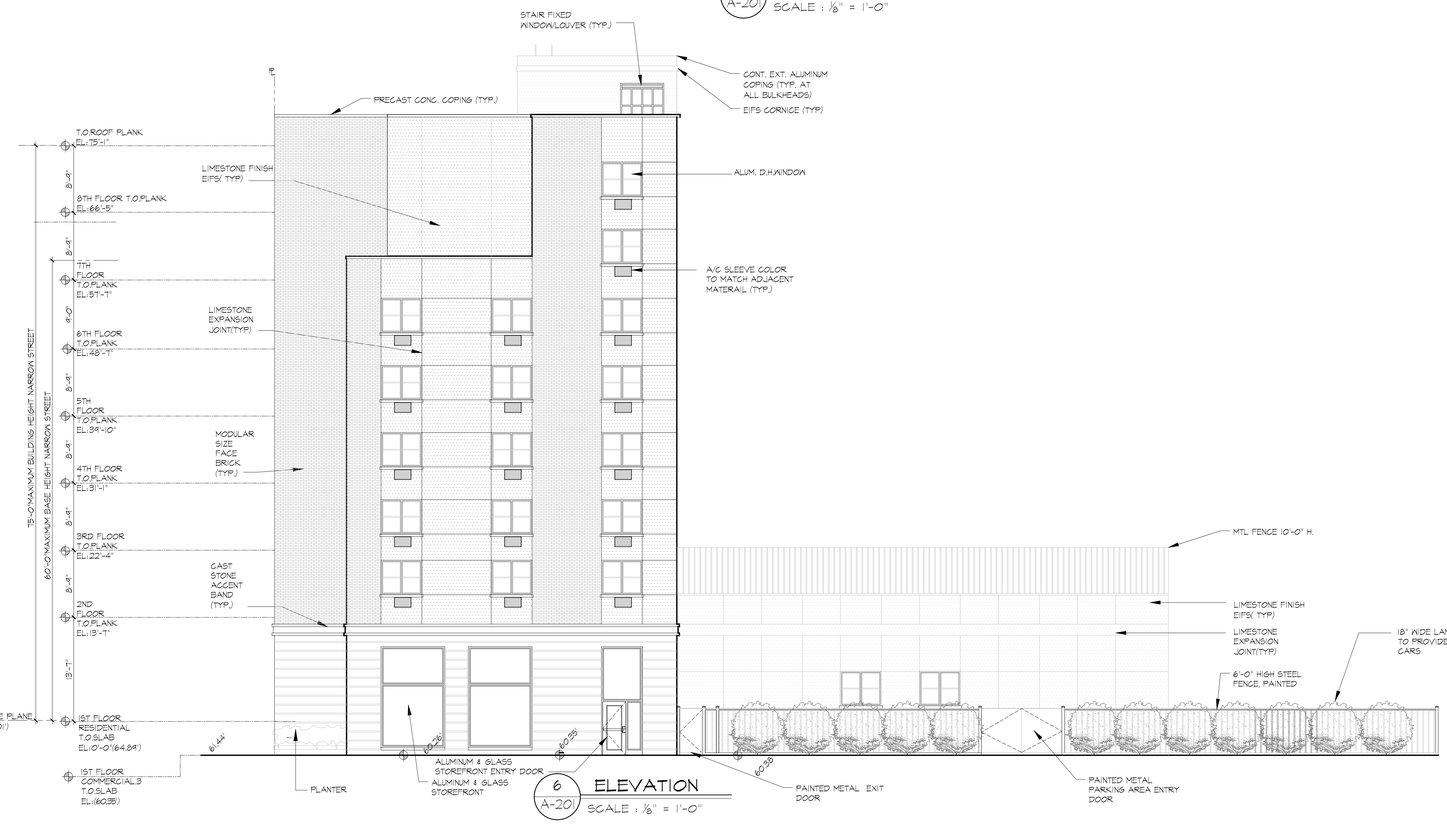
DATE:	8-28-13
PROJECT NO:	1222
DRAWN BY:	SZ
CHECKED BY:	RK
DRAWING NO:	A-200.00
SCALE: AS NOTED	SHEET NO: 16 of 23
NYC DOB NUMBER:	XXXXXXXXX

FILE#

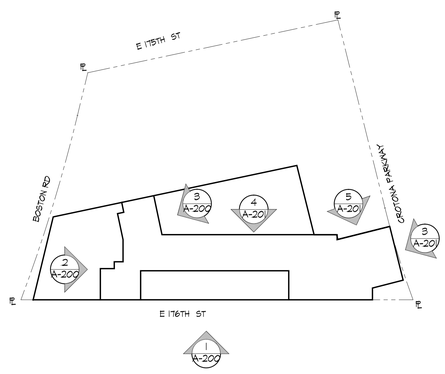
4 A-201 ELEVATION
SCALE : 1/8" = 1'-0"



5 A-201 ELEVATION
SCALE : 1/8" = 1'-0"



6 A-201 ELEVATION
SCALE : 1/8" = 1'-0"



KEY PLAN
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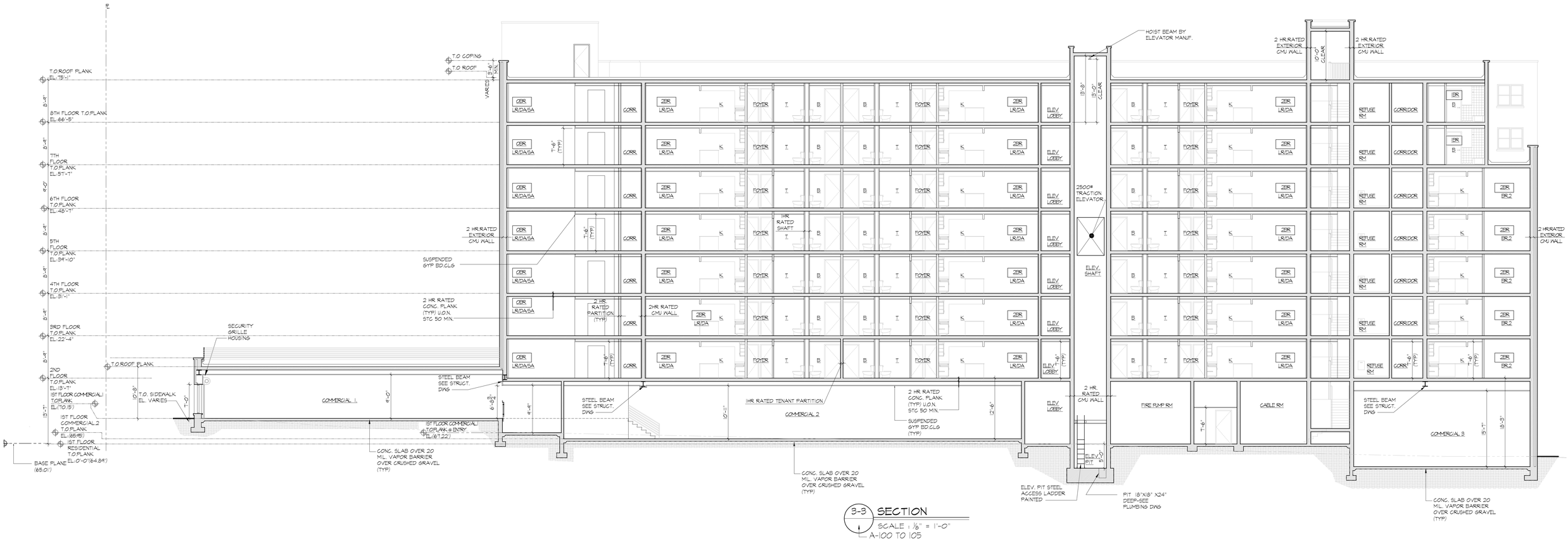
PROPOSED NEW DEVELOPMENT FOR:
CROTONA PLAZA
BOSTON RD, BRONX ,NY 10460

EXTERIOR ELEVATIONS

DATE:	8-28-13
PROJECT NO:	1222
DRAWN BY:	SZ
CHECKED BY:	RK
DRAWING NO:	A-201.00
SCALE: AS NOTED	SHEET NO: 17 of 23
NYC DOB NUMBER:	XXXXXXXXX

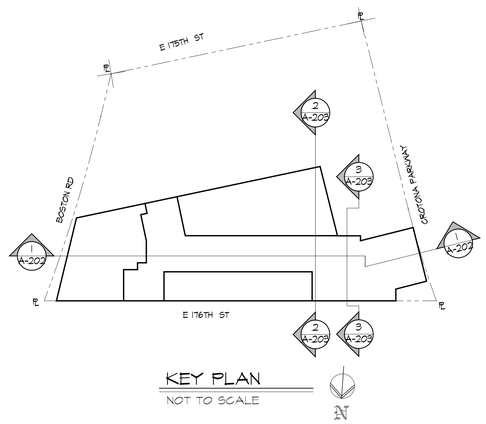
FILE#



3-3 SECTION

SCALE : 1/8" = 1'-0"

A-100 TO 105



KEY PLAN

NOT TO SCALE

DATE	REVISIONS
9-12-13	ISSUED TO DOB FOR REVIEW AND COMMENT

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PROPOSED NEW DEVELOPMENT FOR:

CROTONA PLAZA

BOSTON RD, BRONX ,NY 10460

SECTION

DATE:	8-28-13
PROJECT NO:	1222
DRAWN BY:	SZ
CHECKED BY:	RK
DRAWING NO:	A-202.00
SCALE: AS NOTED	SHEET NO: 18 of 23
NYC DOB NUMBER:	XXXXXXXXXX

FILE#

II

1825 Boston Road

Bronx, New York

PHASE I ENVIRONMENTAL SITE ASSESSMENT

AKRF Project Number 10629

Prepared for:

SoBRO
555 Bergen Avenue, 3rd Floor
Bronx, New York 10455

Prepared by:

AKRF, Inc.
440 Park Avenue South
New York, NY 10016
(212) 696-0670

May 2005

EXECUTIVE SUMMARY

AKRF, Inc. (AKRF) was retained by the South Bronx Overall Economic Development Corporation (SoBRO) to perform an Environmental Site Assessment of a vacant lot located at 1825 Boston Road in the Bronx, New York. The subject block is bounded to the north by the East 176th Street and the Cross Bronx Expressway, to the east by Boston Road and an elevated municipal subway line, to the south by East 175th Street, and to the west by Southern Boulevard. The site is surrounded primarily by residential and commercial/retail properties. The subject property was developed some time between 1896 and 1901 and operated as a transit rail car and a bus maintenance and repair facility from that time until at least 1989.

The objective of this assessment was to identify any potential environmental concerns associated with the site resulting from past or current usage of the site as well as similar usage of neighboring properties. This Phase I Environmental Site Assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in conformance with the scope and limitations of ASTM Standard E1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice*. Any exceptions to, or deletions from, this practice are described in Section 7.0 of this report. This assessment revealed the following environmental conditions in connection with the property:

- Based on State records and a review of previous investigations performed by URS Consultants, Inc. (URS) for the subject property in the early 1990s, a 10,000-gallon fuel oil underground storage tank and two 5,000-gallon diesel underground storage tanks were identified at the subject site. Free product was discovered in a monitoring well installed at the site, which was assumed to have been released from these tanks. A product recovery and groundwater monitoring program conducted from 1996 to 1998 indicated that measurable free product previously discovered at the site was reduced to non-detectable levels. A geophysical investigation conducted by URS and a test pitting program conducted by SoBRO identified no tanks remaining at the subject site, suggesting that the tanks had been removed.
- Historic Sanborn maps indicated that the subject property was developed some time between 1896 and 1901 and operated as a transit rail car and bus maintenance and repair facility until at least 1989. Petroleum products and solvents were likely used as part of the on-site maintenance activities, which have the potential to have affected the subject property.
- Historic fill of unknown origin is likely present underlying the site.
- Debris and trash were observed throughout the site, including plastic and glass bottles, paper, wood, tires, concrete blocks, plastic crates, and metal cans.
- Facilities located on the south-adjacent block included a portion of the former train car and bus repair and maintenance facility (no longer present) and a gasoline station (presently abandoned). These properties are located in a presumed upgradient groundwater flow direction. In addition, the regulatory databases and historical land-use atlases indicated that the surrounding neighborhood has an approximately 80-year history of residential, commercial, and industrial development. These surrounding properties have the potential to have affected local groundwater quality, which may have migrated to the subject site. However, a Phase II investigation was performed by AKRF in 2003 for the south-adjacent block, which included the collection of groundwater samples along East 175th Street, upgradient of the subject property. Petroleum hydrocarbon concentrations detected in the groundwater samples from these areas were below the most stringent regulatory standards (drinking water standards).

Based on the conclusions of this Phase I ESA, the following recommendations are made:

- Tires found at the subject property should be disposed of in accordance with regulatory protocols and taken to an appropriate receiving facility.
- Given that the development of the subject property would involve excavation and disturbance of the existing on-site soil, construction activities may result in temporary increases in exposure pathways for construction workers and workers on nearby sites to unclean urban fill material and potential contaminants in the soil. Therefore, to avoid any potential adverse health impacts, a construction health and safety plan (CHASP) will be prepared and implemented to assure that the construction workers, the surrounding community, and the environment are not adversely affected by the construction activities. The plan would specify the appropriate testing and/or monitoring by field personnel during construction and excavation activities and detail appropriate measures in the event that contamination, underground storage tanks, or other environmental conditions are encountered. Off-site transportation and disposal of fill materials should be in accordance with all applicable regulations.
- If dewatering activities for development of the site necessary, treatment of the groundwater prior to discharge to the municipal sewer may be required. Prior to any dewatering activities, sampling should be performed to insure that any discharged groundwater meets the New York City Department of Environmental Protection (NYCDEP) limitations for effluent to municipal sewers, should this be the designated course of action.

No other recommendations for further study or remediation are warranted at this time.

TABLE OF CONTENTS

FIGURES

APPENDICES

1.0 INTRODUCTION

AKRF, Inc. (AKRF) was retained by the South Bronx Overall Economic Development Corporation (SoBRO) to perform an Environmental Site Assessment of a vacant property located at 1825 Boston Road in the Bronx, New York. The subject block is bounded to the north by the East 176th Street and the Cross Bronx Expressway, to the east by Boston Road and an elevated municipal subway line, to the south by East 175th Street, and to the west by Southern Boulevard. The site is surrounded primarily by residential and commercial/retail properties.

The scope of services for this assessment included the following:

- Visual observations of the project site and surrounding property were made to identify potential sources or indications of chemical contamination. The potential sources of contamination included, but were not limited to, underground storage tanks (USTs), aboveground storage tanks (ASTs), objects that could contain polychlorinated biphenyls (PCBs), and areas where hazardous materials were used, stored, treated, generated and/or disposed. Indications of chemical contamination include stained surfaces and chemical odors.

  In addition, readily-observable portions of the properties immediately adjacent to the study site were viewed from public rights-of-way to identify or determine the likelihood of any of the aforementioned potential sources of contamination being present.

- Published geological and groundwater information was obtained from available sources to determine the possibility of contamination from off-site sources.

- A review of radon concentrations in Bronx County (Bronx) was conducted to determine whether radon levels in the general area comply with United States Environmental Protection Agency (USEPA) guidelines.

- Historical land use atlases for the site and adjacent properties were reviewed to evaluate previous land use.

- The following federal regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area; National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the USEPA Civil Enforcement Docket; and the Brownfield Cleanup Program (BCP). The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

- The following state regulatory databases were reviewed to determine the regulatory status of the site, adjacent properties, and properties within a predetermined study area; the listings of hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); Major Oil Storage Facilities (MOSF); Air Discharge Facilities (ADF); and the Brownfield Cleanup Program.

2.0 PHYSICAL SITE DESCRIPTION

Visual inspection of the site and adjacent areas was performed on April 27, 2005 by Axel Schwendt of AKRF. At the time of the inspection, the weather was cloudy and approximately 60EF, the visibility was good, and the premises was adequately illuminated. The site was inspected or the presence of stained surfaces and soils, storage tanks, drums, transformers, stressed vegetation, and any other evidence of hazardous material usage and storage on-site. Photographs documenting the site inspection are included in Appendix A.

2.1 General Site Conditions

The project site consisted of a vacant lot, enclosed by a ten-foot chain link fence. The majority of the site was unpaved and covered with vegetation, including a few trees. No signs of chemical stress were noted on the on-site vegetation. Two concrete-paved areas and some asphalt paving were located on the northeastern quadrant of the property, which were likely associated with former buildings or structures. This portion of the site was approximately five feet higher in elevation than the rest of the property.

Much of the property appeared to have been re-graded in several places, which likely occurred during or after demolition of the former on-site facility. Based on a review of previous environmental investigations performed at the site (discussed in Section 5.0), the former on-site structure was demolished in 1993. From the surface, soil at the site appeared to comprise urban fill material including sand, silt, gravel, cobbles, brick, concrete, and ash. In some areas, the fill material contained metal, piping, and electrical wires. The western half of the property appeared to have been excavated in several different spots. Exposed broken concrete and brick rubble were observed in these areas that were likely associated with former on-site structures. Some of the concrete rubble in the western portion of the site was observed to contain rebar and wood; a few pieces of concrete contained metal piping. Mr. Sandy Lent, an engineer for SoBRO, indicated that ten test pits had been dug at the site approximately one month ago to ascertain subsurface conditions for development purposes. No report or documentation for the test pitting activities was provided to AKRF. According to Mr. Lent, no underground storage tanks or stained soil were observed during the test pitting activities.

Debris and trash were observed throughout the site, including plastic and glass bottles, paper, wood, tires, concrete blocks, plastic crates, and metal cans. A pile of metal rods on wooden slats was located on one of the concrete-paved areas. No stained surfaces were noted at the subject site and no other significant observations were made. No evidence of underground storage tanks (i.e., vent pipes, fill caps, or concrete patches) was observed at the site.

2.2 Topography and Hydrogeology

The bedrock underlying the project site is mapped as the Manhattan Schist, composed of coarsely crystalline mica schist that has been severely crumpled and folded and shows a marked foliation. The bedrock surface in eastern Bronx is near the surface in the vicinity of the subject site, and bedrock outcrops can be found within several miles of the subject property.

The surface topography at the subject property is sloped to the west, though the general area tends to slope downward towards the east and northeast. The property is situated at an elevation of approximately 60 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level), according to the U.S. Geological Survey Central Park Quadrangle topographic map. Based on local topography, groundwater beneath the subject property most likely flows in a northeasterly direction towards the Bronx River, located approximately ½ mile east of the project

site. This generally concurs with previous investigations performed at the subject property (discussed in Section 5.0), which indicated that groundwater at the site flows to the northeast. The groundwater table at the site was encountered at a depth of approximately eight to ten feet below surface grade. Actual groundwater flow beneath the site can be affected by many factors, including past filling activities, underground utilities and other subsurface openings or obstructions such as basements, bedrock geology, and other factors beyond the scope of this study.

2.3 Storage Tanks

2.3.1 Underground Storage Tanks (USTs)

During the site inspection, no evidence, such as vent pipes, fill caps, or concrete patches, was observed that would indicate past or present use of underground storage tanks (USTs) at the subject property. A review of the State regulatory records identified six registered petroleum USTs for the West Farms Depot, the former train car and bus maintenance and repair facility located on the subject site and south-adjacent property. The State records do not indicate on which portion of the West Farms Depot property the tanks were located. These tanks and off-site underground storage tanks are discussed further in Section 4.2.2.

Based on a review of previous studies performed for the subject property (discussed further in Section 5.0), a heating oil tank and two diesel tanks were formerly located at the subject property portion of the West Farms Depot site. The same studies identified a 7,500-gallon fuel oil UST, a 1,080-gallon waste oil aboveground storage tank (AST), and a 275-gallon lube oil AST for the south-adjacent West Farms Depot property. A comparison with the State records would indicate that three of the State-registered tanks were located at the subject site and comprise a 10,000-gallon fuel oil UST and two 5,000-gallon diesel USTs. A geophysical investigation performed as part of the previous studies and test pits excavated for subsurface characterization did not identify these or any other tanks remaining at the site.

2.3.2 Aboveground Storage Tanks (ASTs)

No evidence, such as concrete foundations, containment walls, pedestals, or steel support structures, was observed during the site visit to indicate that aboveground storage tanks (ASTs) were located on-site. A review of the State regulatory records identified two 550-gallon aboveground storage tanks of unknown contents for the West Farms Depot, the former train car and bus maintenance and repair facility located on the subject site and south-adjacent property. However, based on previous studies performed at the site (discussed further in Section 5.0), these two aboveground tanks were located on the south-adjacent property. These tanks and other off-site aboveground storage tanks are discussed further in Section 4.2.2.

2.4 Polychlorinated Biphenyls (PCBs)

Prior to 1979, polychlorinated biphenyls (PCBs) were widely used for their cooling properties in electrical equipment such as transformers, capacitors, switches and voltage regulators. No potential PCB-containing equipment was observed on-site.

2.5 Utilities

Consolidated Edison (Con Ed) provided electricity to the study site and surrounding area. As the site was vacant at the time of the inspection, it is not certain whether the study site was connected to New York City municipal water and sewer systems. However, based on the historic development at the site, municipal water and sewer services are available. No other utilities were observed to be servicing the property.

2.6 Waste Management and Chemical Handling

No wastes or chemicals were observed to be generated at the subject site. Miscellaneous debris, trash and refuse were observed on the subject property during the site inspection.

2.7 Radon

Radon is a colorless, odorless gas produced by the radioactive decay of certain elements. The most common sources of radon are igneous and metamorphic rocks containing uranium (such as pitchblende), granite, shale, or phosphate, as well as soils or sediments derived from these parent materials. Radon may also be found in soils contaminated with certain industrial wastes (such as uranium or phosphate mine tailings) or in earth-derived building products which include industrial wastes that contain phosphate slag. In areas where the potential for radon accumulation is high, special ventilation systems may offset potential health hazards.

According to data compiled by the Bureau of Radiation Protection, a division of the New York State Department of Health, Bronx County (Bronx) has an average level of basement radon concentration of 0.8 picoCuries/liter. The USEPA recommended action level is 4.0 picoCuries/liter.

3.0 ADJACENT LAND USE

The subject site, which encompasses the entire city block, is bounded to the north by the East 176th Street and the Cross Bronx Expressway, to the east by Boston Road and an elevated municipal subway line, to the south by East 175th Street, and to the east by Southern Boulevard. Residential properties were located north of the study site, across 176th Street. Areas east and west were primarily commercial and residential in nature. A commercial self-storage facility (Storage Deluxe) was present to the south across 175th Street, beyond which was an abandoned gasoline station.

4.0 SITE HISTORY AND RECORDS REVIEW

4.1 Prior Ownership and Usage

4.1.1 Historical Land Use maps

Historical insurance maps were reviewed for indications of industrial usage or other evidence suggesting the use or disposal of hazardous materials on or adjacent to the subject property. Sanborn Fire Insurance maps from 1896, 1901, 1915, 1950, 1977, 1984, and 1989 were reviewed. Copies of portions of these maps are included as Appendix B. Summaries of each map are as follows:

1896

The subject block was primarily vacant with a stable present on the northeastern quadrant. The majority of the surrounding areas were vacant. A few dwellings were located on the surrounding properties.

1901

The subject property and southeast-adjacent lot were occupied by buildings labeled as the Union Railway Company Car House and Repair Shop. The areas surrounding the subject property were primarily vacant, as on the 1896 map, with a few more residential dwellings present on nearby properties.

1915

The Union Railway Company Car House and Repair Shop were present on the subject and south-adjacent blocks. A power house transformer station had been added to the south-adjacent property building. A large municipal park was present to the southwest. A small municipal park was located west-adjacent to the subject site. The surrounding properties had been developed with additional residential and commercial properties.

1950

The subject and south-adjacent properties were occupied by the Third Avenue Transit System car barn and maintenance shop. The power house transformer station on the south-adjacent lot was no longer present. A filling station and car wash were located on the south side of the south-adjacent block, where the abandoned gas station was noted during AKRF's site visit. Another gas station was present further south. The large municipal park was present to the southwest, as in earlier maps, and was labeled "Hylan Park". The surrounding areas were completely developed with commercial and residential properties, including a car garage approximately 800 feet to the southwest.

1977-1989

The property and south-adjacent building were occupied by the Manhattan and Bronx Surface Transit Authority, which used the buildings as a bus garage and maintenance shop. The filling station and car wash were located on the south-adjacent block. The other gas station located further southwest on the 1950 map was no longer present. The surrounding areas were similar to what was shown on the 1950 map.

To summarize, the Sanborn maps indicated that the subject property was developed some time between 1896 and 1901 and operated as either a transit rail car or bus maintenance and repair facility until at least 1989. The gasoline station and car wash on the south-adjacent block were present from some time between 1915 and 1950. This facility is located in a presumed upgradient groundwater flow direction. The buildings developed on the subject site were demolished some time after 1989.

4.1.2 Historical Aerial Photographs

Complete and thorough coverage was available for the subject property utilizing historical land-use maps. The maps typically include detailed information such as dates of construction, building occupants or a vacant status, and use and/or zoning use of structures on the site and surrounding area. Aerial photographs would, most likely, not provide additional, unique information that is pertinent to the environmental condition of the property. As such, aerial photographs were not reviewed for the project site.

4.1.3 Site Interviews

AKRF interviewed Mr. Richard Ross of SoBRO and Mr. Sandy Lent, Engineer for SoBRO for information regarding the subject property. According to Mr. Lent, 10 test pits were excavated at the site to characterize subsurface conditions. The test pits were located mainly on the western portion of the site. Mr. Lent indicated that no tanks or obvious adverse environmental conditions (i.e., staining or hazardous materials) were encountered during the test pitting program.

4.2 Regulatory Review

Toxics Targeting, Inc. of Ithaca, New York, was contracted to obtain information regarding the regulatory status of the property and the surrounding area. This information included records from databases maintained by the USEPA and New York State Department of Environmental Conservation (NYSDEC). AKRF reviewed these records to identify the use, generation, storage, treatment and/or disposal of hazardous material and chemicals, or releases of such materials which may impact the project site. All applicable regulatory databases meet ASTM guidelines requesting utilization of information within 90 days' receipt from the appropriate agency. Copies of the pertinent sections of the Toxics Targeting, Inc. report are included in Appendix C.

4.2.1 Federal

The federal records reviewed included the National Priority List (NPL); Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS); Emergency Response Notification System (ERNS); Toxic Chemical Release Inventory System (TRIS); the Permit Compliance System of Toxic Wastewater Discharges (WWD); the USEPA Civil Enforcement Docket; and Air Discharge Facilities (ADF). The federal listing of facilities which are subject to corrective action under the Resource Conservation and Recovery Act (CORRACTS) is discussed with the State databases of RCRA listings.

National Priority List (NPL)

The NPL is the USEPA's database of some of the most serious uncontrolled or abandoned hazardous waste sites identified for probable remedial action under the Superfund Program. These sites may constitute an immediate threat to human health and the environment. Due to the amount of public attention focused on NPL sites, they pose a significant risk of stigmatizing surrounding properties and potentially impacting property values.

No NPL sites were identified within a one-mile radius of the project site.

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

CERCLIS is a compilation of known or suspected, uncontrolled or abandoned hazardous waste sites which the USEPA has investigated, or plans to investigate, for a release, or threatened release, of hazardous substances pursuant to the Superfund Act of 1980 (CERCLA). Some of these sites may constitute a potential threat to human health and the environment. While it has been determined by the USEPA that some CERCLIS sites require no action, others could pose a real or perceived environmental threat to neighboring properties, thus affecting property values.

No CERCLIS sites were identified within a one-mile radius of the project site.

Emergency Response Notification System (ERNS)

This federal database, compiled by the Emergency Response Notification System, records and stores information on reported releases of petroleum and other potentially hazardous substances.

The subject property was not listed as an ERNS site.

Toxic Chemical Release Inventory System (TRIS)

The TRIS contains information reported to the USEPA and/or NYSDEC by a variety of industries on their annual estimated releases of certain chemicals to the environment. The TRIS was mandated by Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986. Available information includes the maximum amount of chemicals stored on-site; the estimated quantity emitted into the air, discharged into bodies of water, injected underground, or released to land; methods used in waste treatment and their efficiency; and data on the transfer of chemicals off-site.

One TRIS site was identified within a ¼-mile radius of the project site. The Arthur Frisch Company, Inc., located at 1816 Boston Road, approximately 200 feet to the southwest, was listed for air emissions in 1988, 1989, and 1993. Based on the information provided in the database, this site is not expected to have affected the subject property.

Permit Compliance System of Toxic Wastewater Discharge (WWD)

This federal- and state-maintained database contains a listing of sites which discharge wastewater containing potentially hazardous chemicals.

No WWD facilities were reported within a ¼-mile radius of the subject property.

United States Environmental Protection Agency Civil Enforcement Docket

This database is the USEPA's system for tracking civil judiciary cases filed on behalf of the agency by the Department of Justice.

No US EPA's Civil Enforcement Docket facilities were listed within a ¼-mile radius of the subject property.

Air Discharge Facilities Index (ADF)

This listing of sites tracked by the US EPA AIRS Database includes address information on each facility and the source of its associated air emissions.

Four Air Discharge Facilities were identified within a c-mile radius of the study site. Based on the information provided in the database, these ADF facilities are not expected to have affected the subject site.

Brownfield Cleanup Program

In 2003, a New York State law established this successor to the Voluntary Cleanup Program. In addition to liability releases, it established a variety of tax credits for sites remediated through the program. Some sites in this program have known extensive contamination, whereas others have more limited contamination or have not had sufficient investigation to determine whether or not contamination is present.

Two Brownfield Cleanup sites were listed within a one-mile radius of the subject site. Summaries of these sites are as follows:

- Consolidated Edison Company Bronx Works, listed at West Farms Road and Bronx River Avenue, approximately 1,900 feet southeast of subject site, was reported in the Voluntary Cleanup Program.
- Consolidated Edison Company East 175th Street Station, listed at 1815-1845 Webster Avenue, approximately 5,200 feet northwest of subject site, was reported in the Voluntary Cleanup Program.

No further information was provided in the database for the above-listed facilities. Based on locations and the information provided, these sites are not expected to have affected the subject site.

4.2.2 State

The state records reviewed included the listings of hazardous material spills (SPILLS); Resource Conservation and Recovery Act Notifiers (RCRA); Chemical Bulk Storage (CBS); Solid Waste Facilities (SWF); Petroleum Bulk Storage (PBS); State Inactive Hazardous Waste Disposal Sites (SHWS); and Major Oil Storage Facilities (MOSF).

New York SPILLS Database

The New York SPILLS database includes a list of releases reported to the NYSDEC, including those attributed to tank test failures and tank failures. The tank test failures list only covers tanks that are below ground, while the tank failures list includes those that are either below or above ground. This database also lists spills that occur during the transportation of chemicals.

Eighty one (81) spills were reported within a ½-mile radius of the subject site, including active status spills and closed status spills. Six (6) of these sites were located within a c-mile radius of the subject site. Of those listed within a ⅛-mile radius, three were listed in an upgradient location with respect to groundwater flow direction. Details of these are as follows:

- The NYCTA property, located at 1801 Boston Road, approximately 140 feet southwest of the subject site, was listed for the discovery of an abandoned drum of mineral spirits in 1989. This site was located on the south-adjacent block. The spill was closed in 2001.
- A facility located at 18-30 Southern Boulevard, approximately 410 feet southwest of subject site, was reported as a closed status tank test failure site in 1989. The spill was closed in 1992.
- The Amoco, located at 1776 Southern Boulevard, approximately 600 feet southwest of subject site, was listed as an active spill in March 2003. A gasoline spill of unknown quantity was reported to have affected groundwater. This site was located where the abandoned gasoline station was noted by AKRF on the south side of the south-adjacent block.

Based on its presumed upgradient groundwater flow location, releases from the Amoco facility have the potential to have affected the subject site. Details from all listed spills are included in Appendix C.

Resource Conservation and Recovery Act (RCRA) Notifiers Listings

The NYSDEC's Bureau of Hazardous Waste Facility Compliance regulates hazardous waste from the point of generation to the point of disposal. The identified sites tracked on this list are those which have filed notification forms in accordance with the Resource Conservation and Recovery Act requirements regarding their hazardous waste activity. These sites include treatment, storage and disposal facilities (TSDs); small-quantity and large-quantity generators; and transporters of hazardous waste regulated under RCRA. The discussion below includes any CORRACTS listings of facilities which are subject to corrective action under RCRA.

Eleven (11) RCRA Hazardous Waste Generators and Transporters were listed in a ¼-mile radius around the subject site. Of these eleven, three (3) were listed within ⅛-mile of subject site in a presumed upgradient groundwater flow direction. Details from the listings are as follows:

- NYCDOT West Farms Depot, listed at 1801-1825 Boston Road, was reported by the US EPA as a Large Quantity Generator of hazardous waste. This facility comprised the train car and bus maintenance and repair facility formerly located on the subject site and the south-adjacent block. The site is listed as having generated chemical wastes from 1984 to 1990 including cadmium, chromium, spent halogenated wastes, unknown wastes, and solid wastes exhibiting the characteristic of ignitability.
- The Arthur Frisch Company, located at 1816 Boston Road, approximately 200 feet to the southwest, was listed as a Small Quantity Generator of hazardous waste by the US EPA. The site reportedly generated 330 gallons of solid waste exhibiting the characteristic of corrosivity in 1994. This site was also listed for a Consolidated Edison electrical vault containing 875 kilograms of PCB-containing oil in 1997.
- The Bronxville Zoo/Amoco #581, located at 1776 Southern Boulevard, approximately 600 feet to the southwest, was listed as a Small Quantity Generator of hazardous waste by the US EPA. Approximately 30 pounds of lead were generated in 2001.

These listings denote the generation of reportable quantities of hazardous wastes and are not necessarily indicative of a hazardous material release or adverse environmental condition. Details of additional RCRA sites are included in Appendix C.

Chemical Bulk Storage (CBS) Database

The New York CBS is a list of facilities that store regulated non-petroleum substances in aboveground tanks with capacities greater than 185 gallons and/or in underground tanks of any size.

No CBS facilities are listed within a ¼-mile radius of the subject property.

Solid Waste Facilities (SWF)

This database includes a listing of landfills, incinerators, transfer stations, recycling centers, and other sites which manage solid waste. One Solid Waste Facility was identified within a one-mile radius of the study site.

The Delma Construction Company, Inc. facility, located approximately 3,000 feet to the east, was listed as a construction and demolition facility, generating concrete, asphalt,

brick, soil and rock wastes. Based on its location and distance, this site is not expected to have affected the subject property.

Petroleum Bulk Storage (PBS) Database

The New York State PBS lists commercial facilities with registered petroleum tanks located either above or below ground in excess of 1,100 gallons and less than 400,000 gallons.

The West Farms Depot facility, the former train car and bus maintenance and repair facility located on the subject site and south-adjacent block, was listed in the PBS database with six underground storage tanks and two aboveground storage tanks. The locations of these tanks were not noted in the database. Details of the subject property PBS listing are provided in Table 1.

Table 1
Petroleum Bulk Storage Facility Data
West Farms Depot – 1811 Boston Road

Capacity (gallons)	Product Stored	Installation Date	Status
10,000 UST	Fuel Oil	1939	Closed-In-Place 1996
(2) 5,000 UST	Diesel	1939	Closed-In-Place 1996
7,500 UST	Fuel Oil	1939	Closed-In-Place 1996
1,080 UST	Unknown	1939	Closed-In-Place 1996
(2) 550 AST	Unknown	1939	Closed, 1996
275 UST	Unknown	1939	Closed-In-Place 1991

Notes: AST - aboveground storage tank
UST - underground storage tank

Fifty one (51) other PBS facilities were identified within a ¼-mile radius of the subject site. Seven (7) of these facilities were located within ⅛-mile radius of the subject site. Details of the two PBS facilities located within 600 feet of the subject site and in a presumed upgradient groundwater flow direction are provided in Table 2.

Table 2
Area Petroleum Bulk Storage Facility Data

Location	Capacity (gallons)	Product Stored	Status	Distance / Direction from Study Site
Montefiore Central Laundry 1776 Hoe Avenue	10,000 UST	Fuel Oil	In Service	440 feet SW
Amoco Service Station 1776 Southern Boulevard	(4) 4,000 UST	Gasoline	In Service	600 feet SW
	5,500 UST	Gasoline	In Service	

Notes: UST - underground storage tank

Details of the above-mentioned facilities and additional PBS facilities located within a ¼-mile of the study site are included in Appendix C.

State Inactive Hazardous Waste Disposal Site Registry (SHWS)

This database maintains information and aids decision-making regarding the investigation and clean-up of hazardous sites. The Registry's information includes the clean-up status, type of clean-up, types and quantities of contaminants involved, and the assessment of health and environmental concerns.

No State Inactive Hazardous Waste Disposal Sites were reported within a one-mile radius of the subject property.

State Hazardous Substance Waste Disposal Site Study (SHSWDS)

This database tracks waste disposal sites that may pose threats to public health or the environment, but that cannot be remediated using monies from the Hazardous Waste Remediation Fund.

No State Hazardous Substance Waste Disposal Site (SHSWDS) listed within one mile of the subject site.

Major Oil Storage Facilities (MOSF) Database

These facilities may be on-shore facilities or vessels with petroleum storage capacities of 400,000 gallons or more.

There were no Major Oil Storage Facilities reported within a one-mile radius of the subject property.

4.2.3 Local

An electronic search of the New York City Department of Buildings on-line *Building Information System* database was performed. The database typically includes information on current and past Certificates of Occupancy and construction permits, but does not include building plans. The database review revealed no Certificates of Occupancy for the subject property. The database review revealed no issues or violations that would indicate the potential presence of an adverse environmental condition for the subject site.

5.0 PREVIOUS STUDIES

Site Investigation Report – 1801-1805 Boston Road, Bronx, New York by AKRF, Inc. prepared for Storage Deluxe dated July 2003

AKRF, Inc. (AKRF) was contracted by Storage Deluxe to conduct a Subsurface (Phase II) Environmental Site Investigation at the 1801-1805 Boston Road property in Bronx, New York in July 2003. This site is located on the block south-adjacent to the subject property. The Phase II was based on the results of a Phase I Environmental Site Assessment (ESA) performed by AKRF for the site in June 2003. The subsurface investigation focused on petroleum impacts identified during previous environmental site investigations performed by URS Consulting, Inc. (URS), including the presence of free product (oil) on the water table near the former fuel oil fill along Southern Boulevard, and on potential impacts from the former bus and train car maintenance operations formerly located on the subject property and south-adjacent blocks. The investigations performed by URS are discussed below.

The Phase II investigation included the collection of five discrete soil samples and five groundwater samples from throughout the former train car and bus maintenance and repair facility on the south-adjacent block. The samples were laboratory analyzed for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs), which are compounds associated with petroleum products. Groundwater was encountered at a depth of approximately eight to 10 feet below grade. Analytical results of the soil samples indicated concentrations of petroleum hydrocarbons below the regulatory guidelines. Only one semi-volatile organic compound was found in a soil sample collected along Southern Boulevard that exceeded regulatory standards. The detected hydrocarbon concentrations were likely indicative of those typically found in urban fill material and were not necessarily reflective of the presence of a petroleum contaminant source area.

Petroleum-like odors were noted by AKRF in the groundwater sampled during the subsurface investigation. However, the concentrations of volatile and semi-volatile organic compounds detected in the groundwater samples were mostly not detected or below the most stringent regulatory standards (drinking water standards). Only one semi-volatile organic compound, chrysene, was detected above the drinking water standards in a groundwater sample collected downgradient of the 7,500-gallon fuel oil underground storage tank, located on the block south-adjacent to the property targeted as part of this Phase I ESA. The concentrations detected in the groundwater may be reflective of groundwater conditions typical of industrial areas, such as those surrounding the subject property. Groundwater in this area of the Bronx is not used as a potable source.

Various Reports and Documentation – West Farms Depot Site - 1801-1805 Boston Road, Bronx, New York by URS Consultants, Inc.

AKRF reviewed information obtained during an environmental assessment performed by AKRF in 2003 for Storage Deluxe regarding the subject property and south-adjacent block (West Farms Depot site). A list of the information obtained is as follows:

1. Remedial Investigation Report dated February 1993;
2. Correspondence and monthly status reports from 1996;
3. Underground Storage Tank Closure Report dated October 1997;
4. Closure Investigation Report dated September 1998; and

From 1991 to 1993, URS Consultants, Inc. (URS) was retained by the New York City Transit Authority to conduct an environmental assessment of the West Farms Depot facility located at Boston Road in Bronx, New York. The assessment included a Phase I Environmental Site Assessment and a Phase II Site Investigation of the two bus maintenance buildings located on both sides of East 175th Street, identified as Buildings #1 and #2. Building #1 corresponded with the former facility located on the subject property targeted by this Phase I ESA, which was reported by URS to have been demolished in 1993. Building #2 corresponded with the portion of the former West Farms Depot facility located on the south-adjacent block. Both properties were investigated for potential impacts from former petroleum underground storage tanks.

Eighteen monitoring wells were installed by URS as part of the site investigation for both West Farms Depot properties, twelve of which were installed at the 1825 Boston Road site. The monitoring wells have since been removed. Groundwater was encountered at approximately 10 feet below grade and determined by URS to flow in a northeasterly direction. Floating product (petroleum) was found in two monitoring wells, one at each property. The free floating product at the subject site was found in the well installed in the sidewalk along East 176th Street. The free floating product at the south-adjacent site was found in the well installed near a 7,500-gallon fuel oil tank fill port located in the sidewalk along

Southern Boulevard. A product recovery system was initiated for the West Farms Depot properties and monthly status reports from 1996 indicate that approximately 71 gallons of petroleum were recovered from both sites.

Information acquired by URS indicated that a heating oil tank was reported for Building #1 in the center of the western portion of the property and two diesel tanks were located along the central eastern boundary of the property, along Boston Road. Building #2 was determined to have a 7,500-gallon fuel oil underground tank, a 1,080-gallon waste oil aboveground tank, and a 275-gallon lube oil aboveground tank. In 1996, a geophysical survey and excavation program were undertaken to confirm the number of underground tanks located at Buildings #1 and #2. No underground storage tanks were discovered for Building #1 and only the 7,500-gallon fuel oil underground tank was found at Building #2. Subsequently, the 7,500-gallon fuel oil tank was closed-in-place by filling it with concrete slurry.

URS performed a subsurface investigation following the closure of the 7,500-gallon fuel oil tank on the south-adjacent block. The investigation entailed a two-year environmental remediation program that included monitoring the on-site groundwater monitoring wells for product (oil), operating the product recovery system, and collecting groundwater samples for laboratory analysis. Results of the monitoring program indicated that measurable free product previously discovered in the two monitoring wells at both West Farms Depot sites was reduced to non-detectable levels from 1996 to 1998. The groundwater sample analytical results indicated that only one petroleum hydrocarbon, naphthalene, was detected above regulatory standards. A "No Further Action" letter was subsequently issued on April 5, 1999, by the New York Sate Department of Environmental Conservation (DEC) with respect to the closure of the 7,500-gallon fuel oil underground storage tank.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The objective of this assessment was to identify any potential environmental concerns associated with the site resulting from past or current site usage and usage of neighboring properties. Based on this study, there appears to be a low potential for environmental impairments that would affect future development of this property. This assessment has revealed no evidence of recognized environmental conditions in connection with the property except the following:

- Based on State records and a review of previous investigations performed by URS Consultants, Inc. (URS) for the subject property in the early 1990s, a 10,000-gallon fuel oil underground storage tank and two 5,000-gallon diesel underground storage tanks were identified at the subject site. Free product was discovered in a monitoring well installed at the site, which was assumed to have been released from these tanks. A product recovery and groundwater monitoring program conducted from 1996 to 1998 indicated that measurable free product previously discovered at the site was reduced to non-detectable levels. A geophysical investigation conducted by URS and a test pitting program conducted by SoBRO identified no tanks remaining at the subject site, suggesting that the tanks had been removed.
- Historic Sanborn maps indicated that the subject property was developed some time between 1896 and 1901 and operated as a transit rail car and bus maintenance and repair facility until at least 1989. Petroleum products and solvents were likely used as part of the on-site maintenance activities, which have the potential to have affected the subject property.
- Historic fill of unknown origin is likely present underlying the site.
- Debris and trash were observed throughout the site, including plastic and glass bottles, paper, wood, tires, concrete blocks, plastic crates, and metal cans.
- Facilities located on the south-adjacent block included a portion of the former train car and bus repair and maintenance facility (no longer present) and a gasoline station (presently abandoned). These properties are located in a presumed upgradient groundwater flow direction. In addition, the regulatory databases and historical land-use atlases indicated that the surrounding neighborhood has an approximately 80-year history of residential, commercial, and industrial development. These surrounding properties have the potential to have affected local groundwater quality, which may have migrated to the subject site. However, a Phase II investigation was performed by AKRF in 2003 for the south-adjacent block, which included the collection of groundwater samples along East 175th Street, upgradient of the subject property. Petroleum hydrocarbon concentrations detected in the groundwater samples from these areas were below the most stringent regulatory standards (drinking water standards).

Based on the conclusions of this Phase I ESA, the following recommendations are made:

- Tires found at the subject property should be disposed of in accordance with regulatory protocols and taken to an appropriate receiving facility.
- Given that the development of the subject property would involve excavation and disturbance of the existing on-site soil, construction activities may result in temporary increases in exposure pathways for construction workers and workers on nearby sites to unclean urban fill material and potential contaminants in the soil. Therefore, to avoid any potential adverse health impacts, a construction health and safety plan (CHASP) will be prepared and implemented to assure that the construction workers, the surrounding community, and the environment are not adversely affected by the construction activities. The plan would specify the appropriate testing and/or monitoring by field

personnel during construction and excavation activities and detail appropriate measures in the event that contamination, underground storage tanks, or other environmental conditions are encountered. Off-site transportation and disposal of fill materials should be in accordance with all applicable regulations.

- If dewatering activities for development of the site necessary, treatment of the groundwater prior to discharge to the municipal sewer may be required. Prior to any dewatering activities, sampling should be performed to insure that any discharged groundwater meets the New York City Department of Environmental Protection (NYCDEP) limitations for effluent to municipal sewers, should this be the designated course of action.

No other recommendations for further study or remediation are warranted at this time.

7.0 QUALIFICATIONS

The purpose of this assessment was to convey a professional opinion about the potential presence or absence of contamination, or possible sources of contamination on the property, and to identify existing and/or potential environmental problems associated with the property.

The assessment was performed in accordance with customary principles and practices in the environmental consulting industry, and in accordance with ASTM Standard E1527-00, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Practice.* It is intended for use as a supplement to the property appraisal, and is only to be used as a guide in determining the possible presence or absence of hazardous materials on the subject property at the time of the inspection. This assessment is based upon the review of readily available records relating to previous use of both the project site and the surrounding area, as well as a visual inspection of the current condition of the property. Environmental characteristics at this site and surrounding sites may be subject to change in the future.

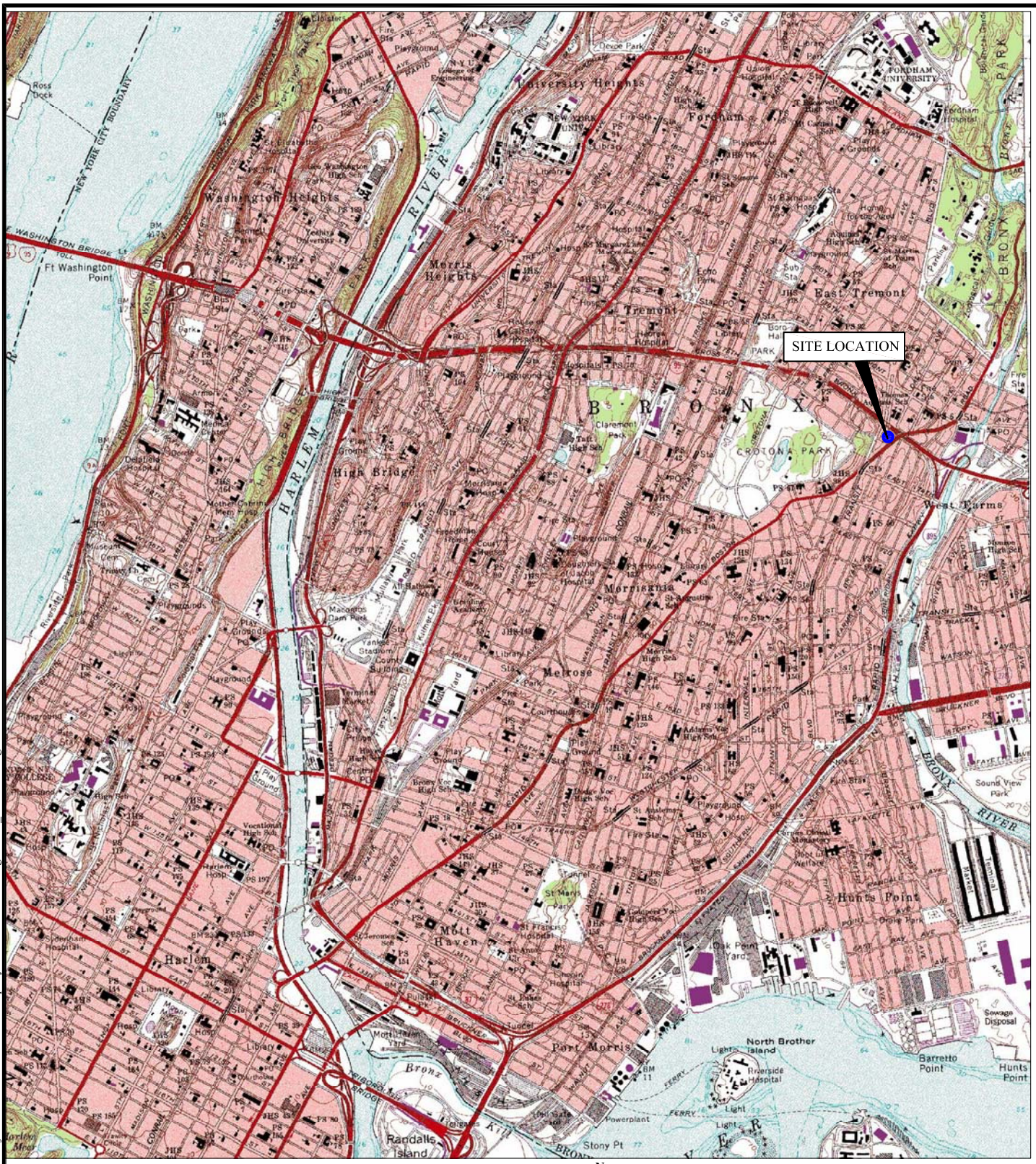
This Phase I Assessment is not, and should not be construed as, a guarantee, warranty, or certification of the presence or absence of hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any hazardous substances which may be subject to regulatory approval. This report is not a regulatory compliance audit.

This report is based on services performed by AKRF, Inc. professional staff and observation of the site and its surrounding area. We represent that observations made in this assessment are accurate to the best of our knowledge, and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and inspections have been carried to a level that meets accepted industry and professional standards. Nevertheless, AKRF and the undersigned shall have no liability or obligation to any party other than the South Bronx Overall Economic Development Corporation (SoBRO) and their successors or assignees, and AKRF's obligations and liabilities to the above, their successors or assignees is limited to fraudulent statements made, or negligent or willful acts or omissions.

8.0 REFERENCES

1. Toxics Targeting, Inc.; 1825 Boston Road, Bronx, New York; Regulatory Radius Search; April, 2005.
2. U.S. Geological Survey; *Central Park, New York - New Jersey Quadrangle*; 7.5 minute Series (Topographic); Scale 1:24,000; 1995; Photorevised 1999.
3. U.S. Geological Survey; *Ground Water in Bronx, New York, and Richmond Counties with Summary Data on Kings and Queens Counties, New York City, New York*; Bulletin GW-32; 1953.
4. U.S. Geological Survey; Open Files Report 89-462; *Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey*; *Sheet 3 - Bedrock Contours and Outcrops*; 1990.
5. New York State Department of Health: Office of Public Health - Environmental Radiation Section; *Basement Radon Screening Data*; June, 2004.
6. Sanborn Insurance Maps dated 1896, 1901, 1915, 1950, 1977, 1984, and 1989.
7. Site Investigation Report – 1801-1805 Boston Road, Bronx, New York by AKRF, Inc. prepared for Storage Deluxe dated July 2003.
8. Remedial Investigation Report – West Farms Depot Site prepared by URS Consultants, Inc. dated February 1993.
9. Correspondence and monthly status reports from 1996– West Farms Depot Site prepared by URS Consultants, Inc.
10. Underground Storage Tank Closure Report – West Farms Depot Site prepared by URS Consultants, Inc. dated October 1997.
11. Closure Investigation Report – West Farms Depot Site prepared by URS Consultants, Inc.dated September 1998.
12. Letter from the NYS Department of Environmental Conservation dated April 5, 1999.

FIGURES



Legend:

SITE LOCATION

1825 BOSTON ROAD

Bronx, New York

PROJECT LOCATION

AKRF

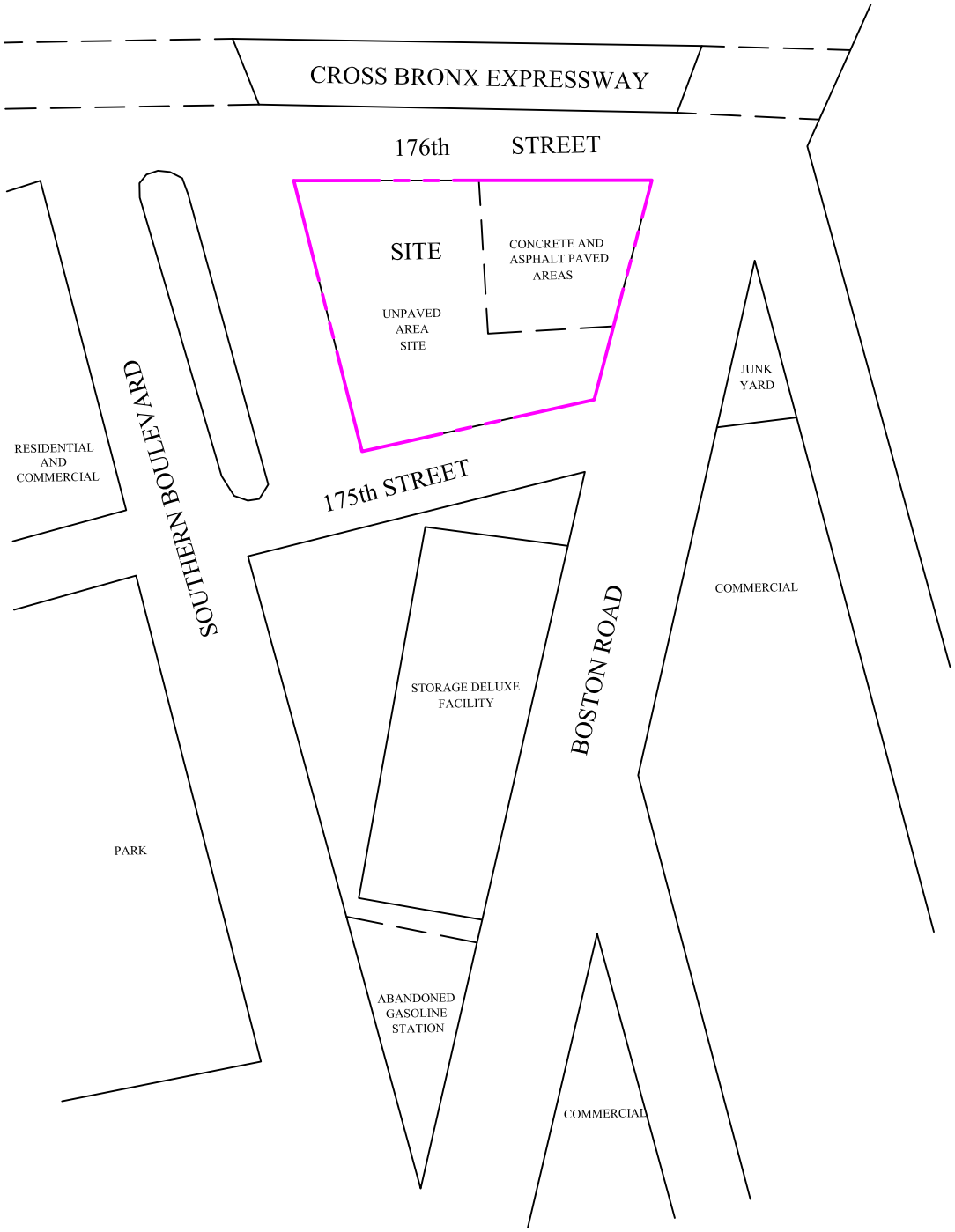
Environmental Consultants

440 Park Aveneu South, New York, N.Y. 10016

DATE
05.05.05

PROJECT No.
10629

FIGURE No.
1



Legend:

SITE BOUNDARY

1825 BOSTON ROAD

Bronx, New York

PROJECT SITE DETAIL

AKRF

Environmental Consultants

440 Park Aveneu South, New York, N.Y. 10016

DATE **05.02.05**

PROJECT No. **10629**

FIGURE No. **2**

APPENDIX A
PHOTOGRAPHIC DOCUMENTATION

Photograph 1. View of property looking northwest.

Photograph 2. Concrete-paved area on northwestern quadrant of property.

Photograph 3. View of metal rods piled on concrete-paved area.

Photograph 4. Garbage and debris scattered along northern property boundary.

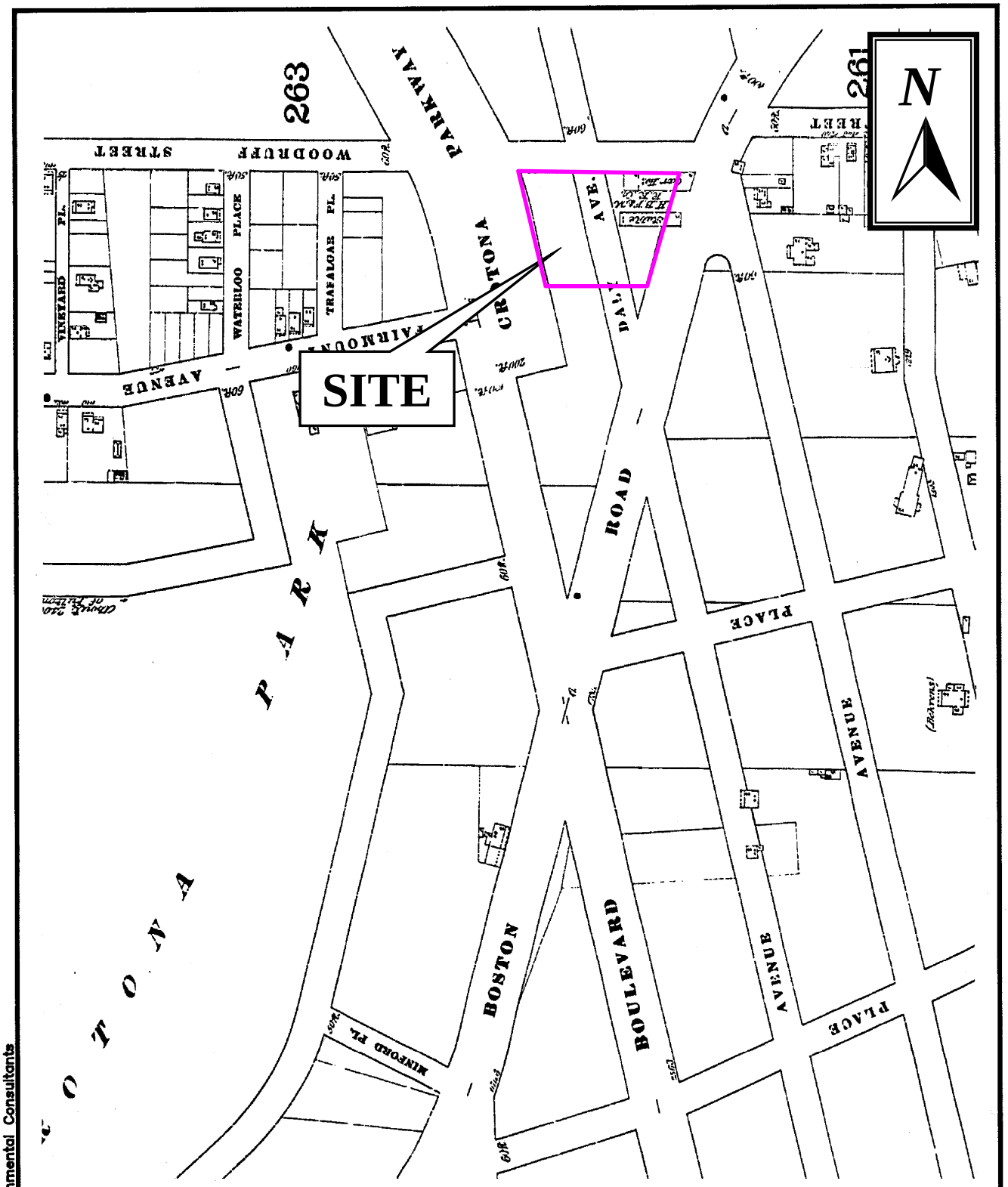
Photograph 5. View of on site soil/fill material.

Photograph 6. Presumed areas of test pits showing unearthed construction rubble.

Photograph 7. View of brick rubble on western side of the property.

Photograph 8. Piece of concrete rubble with exposed piping and rebar.

APPENDIX B
HISTORICAL SANBORN MAPS



1825 Boston Road
Bronx, New York

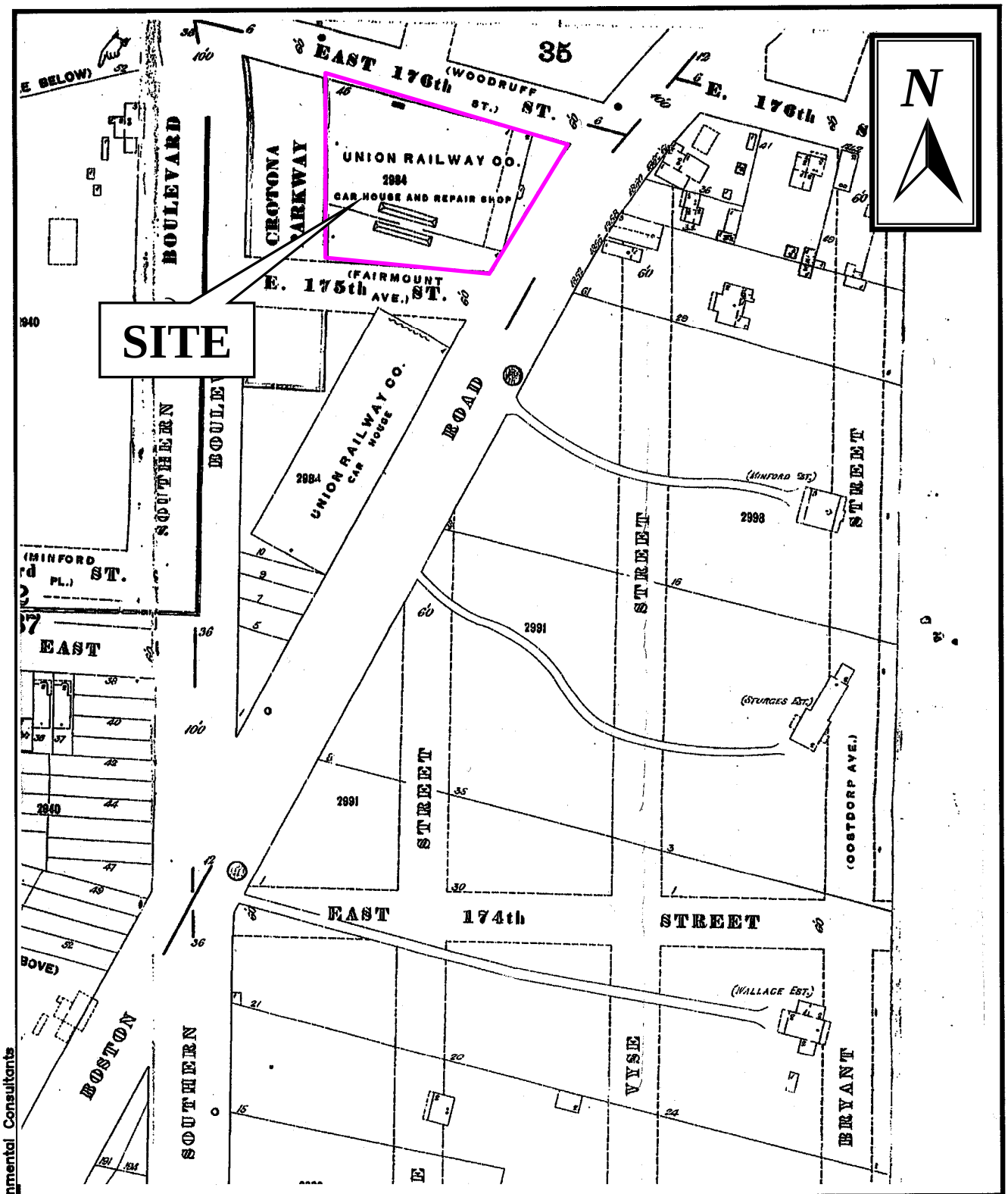
1896 SANBORN

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, New York, New York 10016

DATE	April 2005
DRAWING No.	
PROJECT No.	10629
FIGURE No.	



1825 Boston Road
Bronx, New York

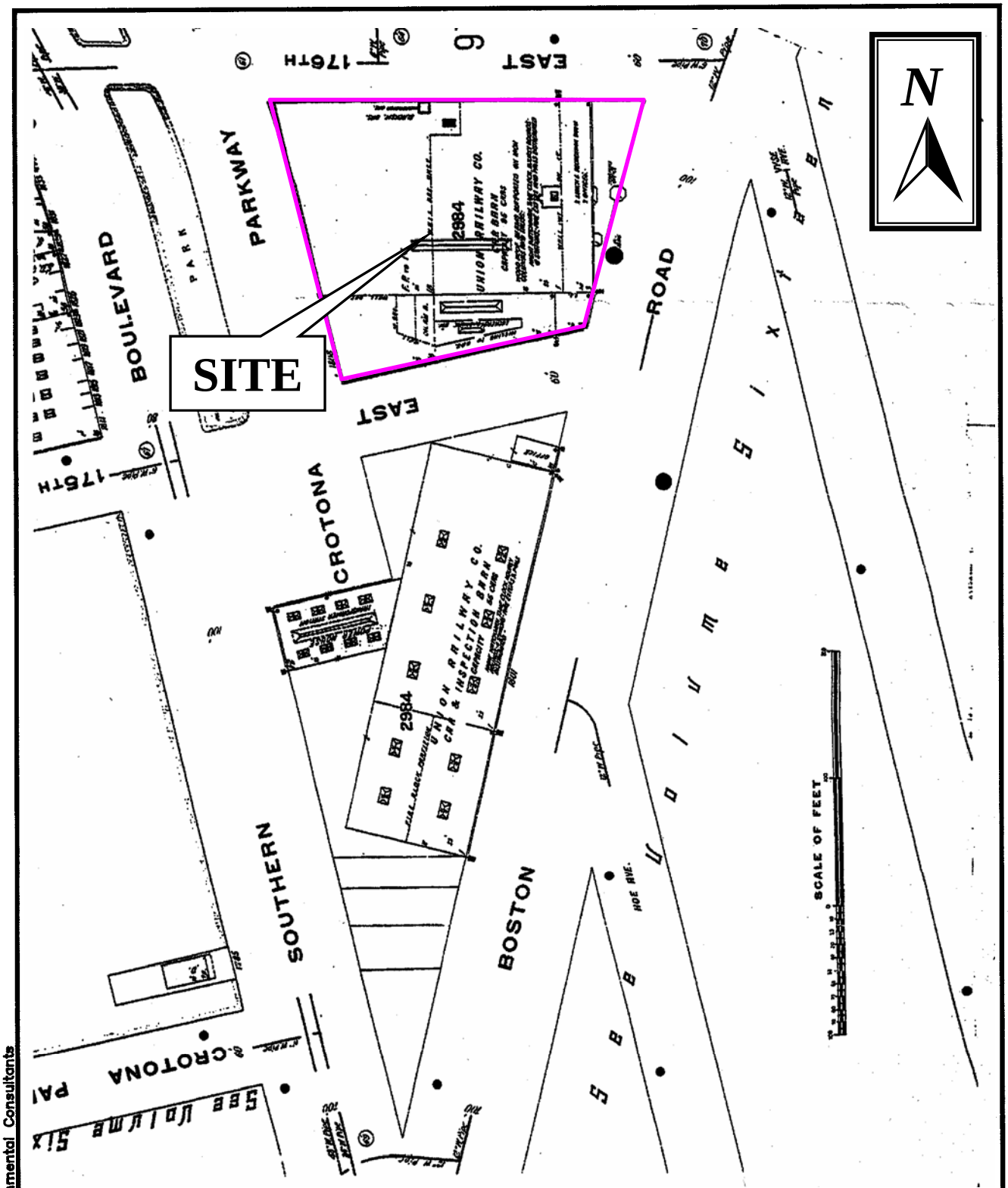
1901 SANBORN

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, New York, New York 10016

DATE	April 2005
DRAWING No.	
PROJECT No.	10629
FIGURE No.	



1825 Boston Road
Bronx, New York

1915 SANBORN

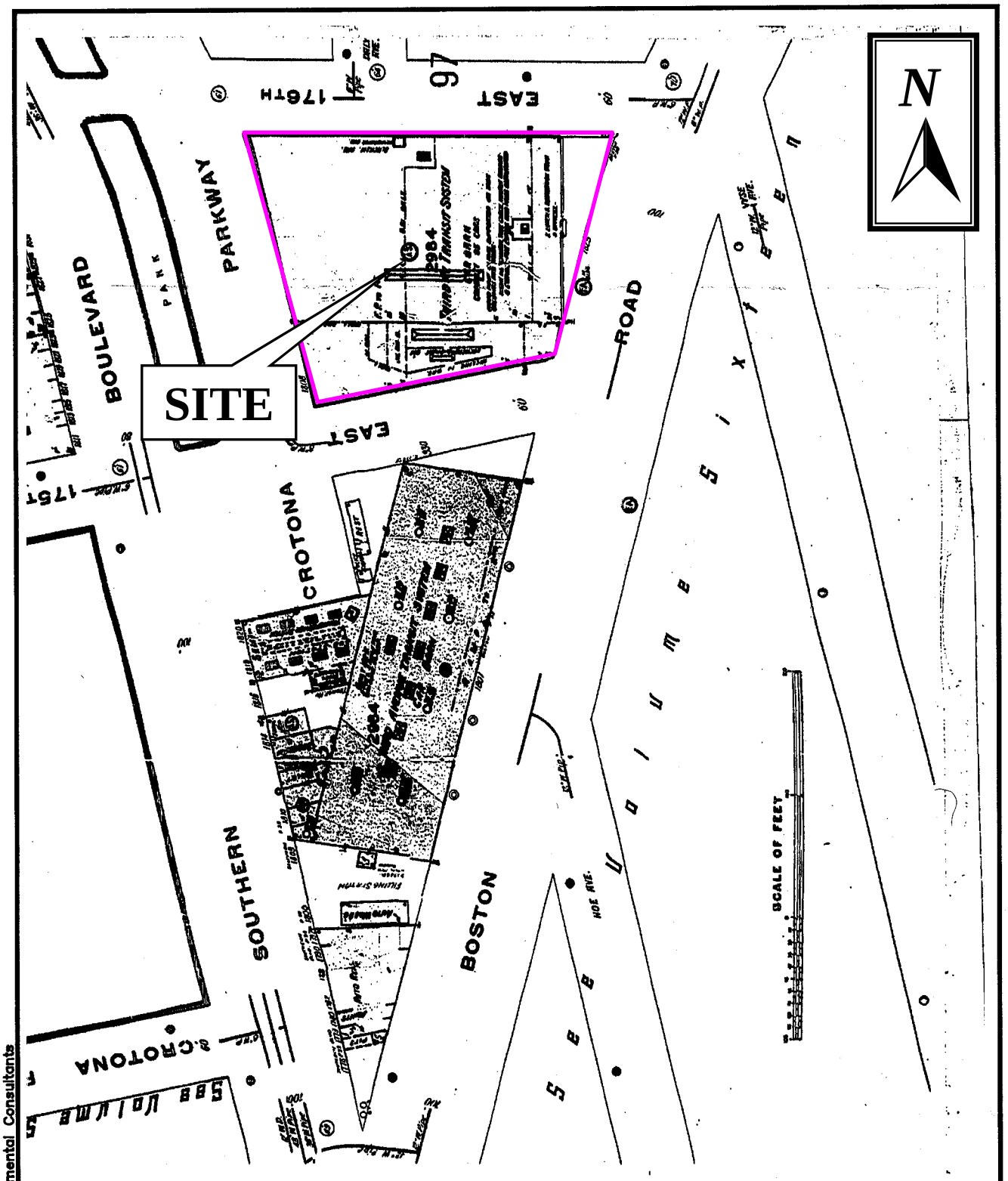
AKRF, Inc.
Environmental Consultants
440 Park Avenue South, New York, New York 10016

DATE
April 2005

DRAWING No.

PROJECT No.
10629

FIGURE No.



1825 Boston Road
Bronx, New York

1950 SANBORN

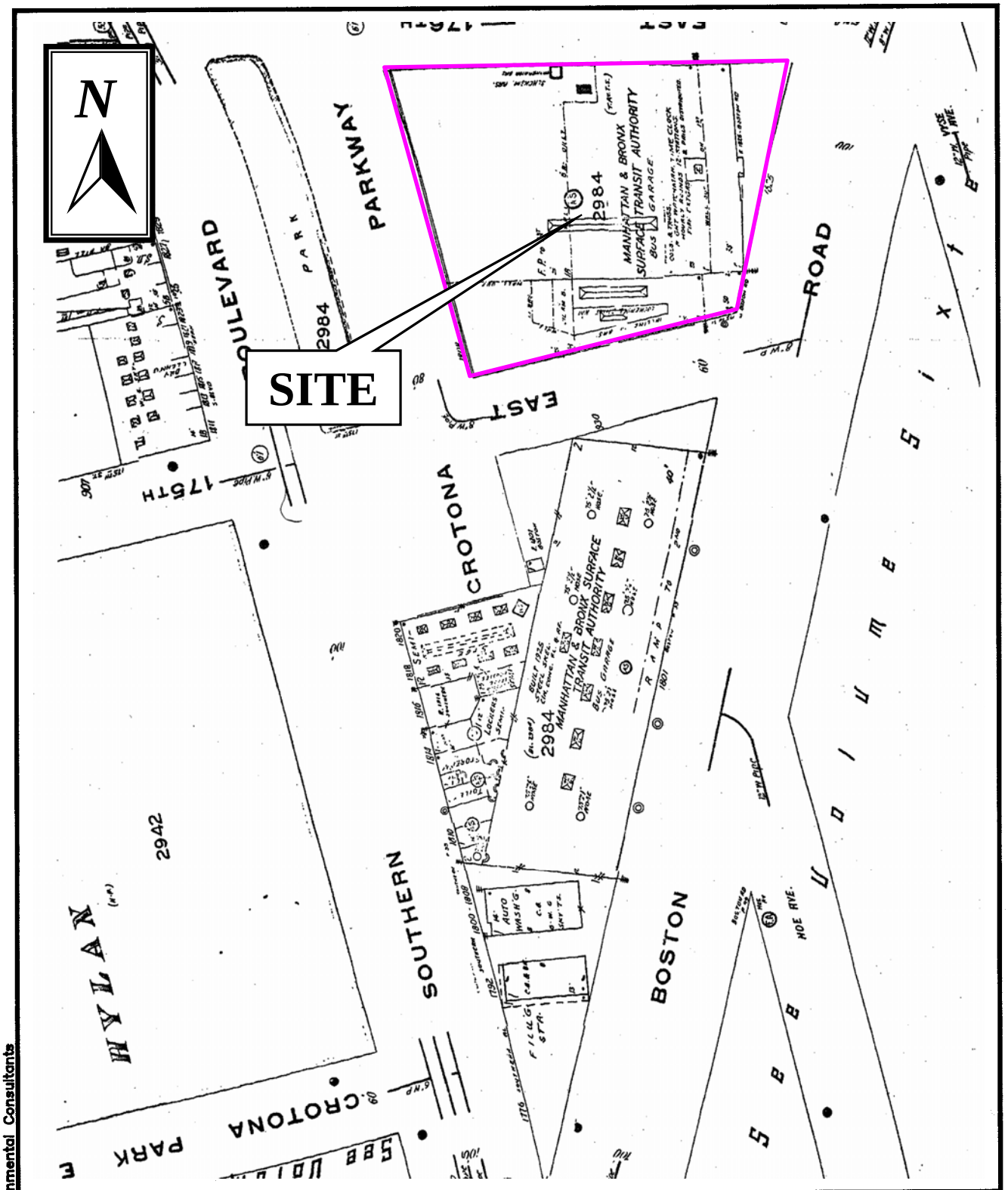
AKRF, Inc.
Environmental Consultants
440 Park Avenue South, New York, New York 10016

DATE
April 2005

DRAWING No.

PROJECT No.
10629

FIGURE No.



1825 Boston Road
Bronx, New York

1977 SANBORN

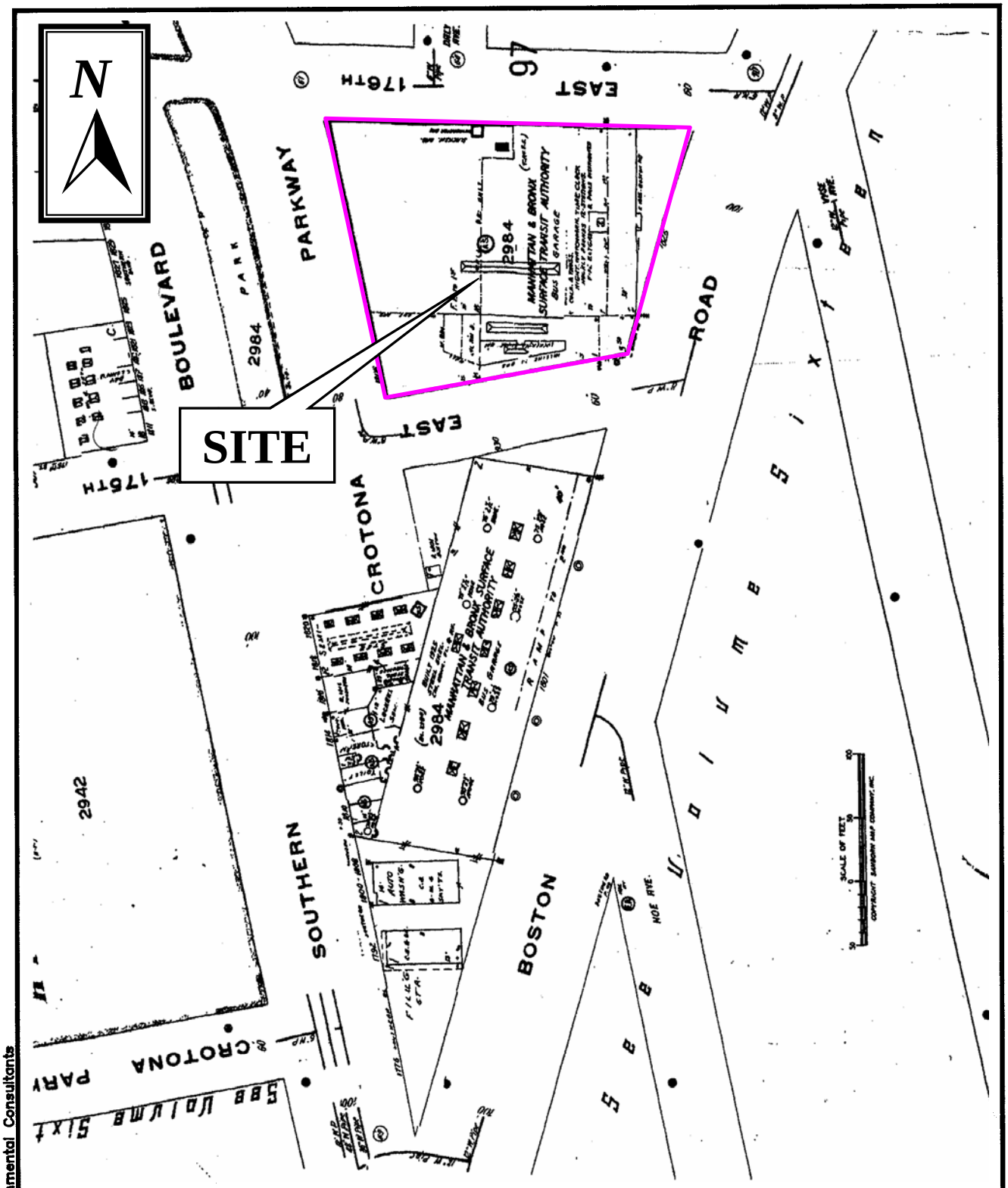
AKRF, Inc.
Environmental Consultants
440 Park Avenue South, New York, New York 10016

DATE
April 2005

DRAWING No.

PROJECT No.
10629

FIGURE No.



1825 Boston Road
Bronx, New York

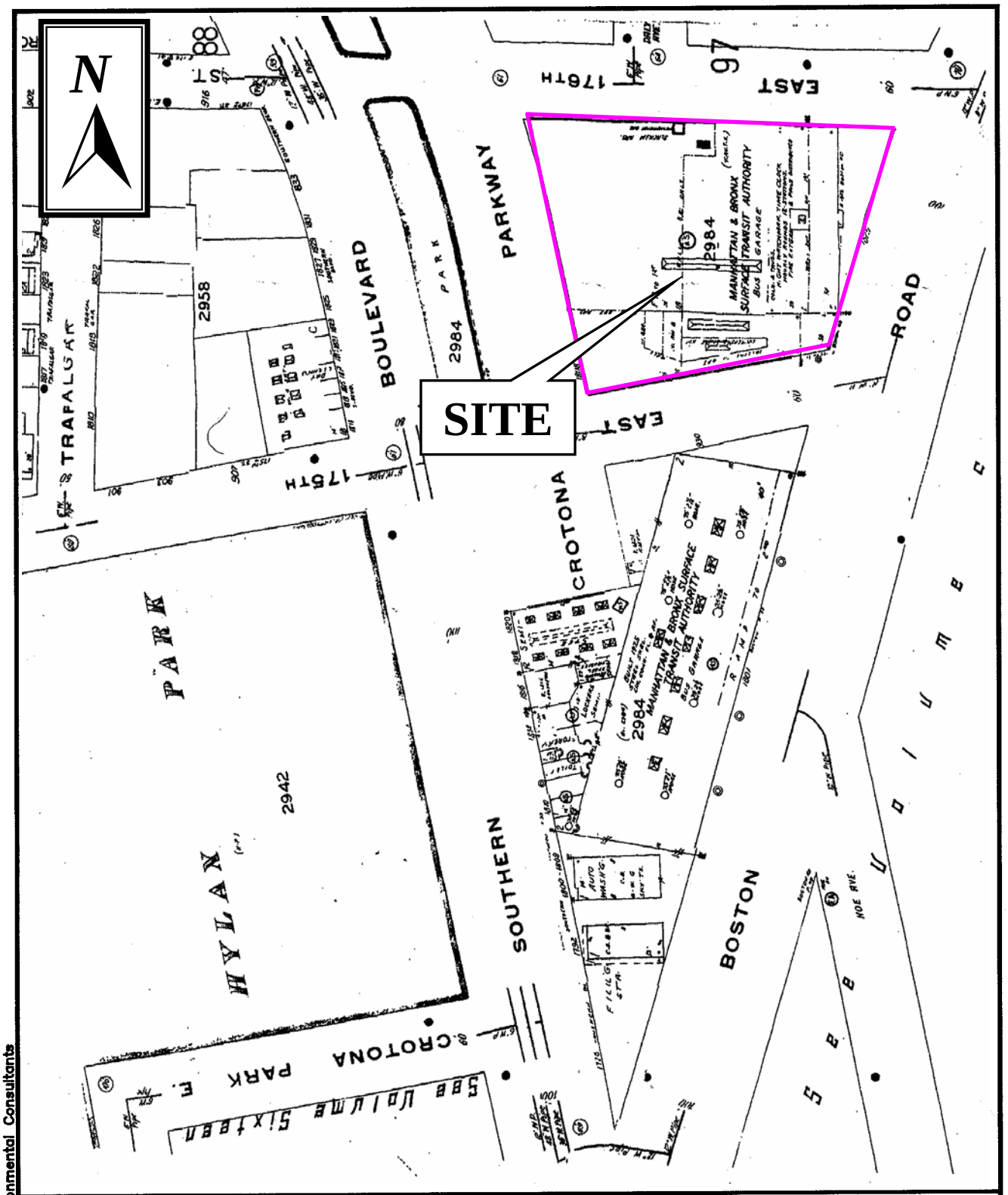
1984 SANBORN

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, New York, New York 10016

DATE	April 2005
DRAWING No.	
PROJECT No.	10629
FIGURE No.	



1825 Boston Road
Bronx, New York

1989 SANBORN

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, New York, New York 10016

DATE	April 2005
DRAWING No.	
PROJECT No.	10629
FIGURE No.	

APPENDIX C
REGULATORY RECORDS REVIEW

Toxics Targeting Computerized Environmental Report

1825 Boston Rd

Bronx, NY 10460

April 28, 2005

LIMITED WARRANTY AND DISCLAIMER OF LIABILITY

Who is Covered

This limited warranty is extended by Toxics Targeting, Inc. only to the original purchaser of the accompanying Computerized Environmental Report ("Report"). It may not be assigned to any other person.

What is Warranted

Toxics Targeting, Inc. warrants that it uses reasonable care to accurately transcribe the information contained in this Report from the sources from which it is obtained. This limited warranty is in lieu of all other express warranties which might otherwise arise with respect to the Report. No one is authorized to change or add to this limited warranty.

What We Will Do

If during the warranty period there is shown to be a material error in the transcription of the information contained in this Report from the sources from which it was obtained, Toxics Targeting, Inc. shall refund to the original purchaser the full purchase price paid for the Report. The remedy stated above is the exclusive remedy extended to the Purchaser by Toxics Targeting, Inc. for any failure of the Report to conform with this Warranty, or otherwise for breach of this Warranty or any other warranty, whether expressed or implied.

What We Won't Cover

Toxics Targeting, Inc. has not and can not verify the accuracy, correctness or completion of the information contained in this Report. Information is obtained from government agencies, site owners, and other sources, and errors are common in such information. Because Toxics Targeting, Inc. can not control the accuracy of the information contained in this Report, or the uses which may be made of the information, TOXICS TARGETING, INC. DISCLAIMS LIABILITY TO ANYONE FOR ANY EVENTS ARISING OUT OF THE USE OF THE INFORMATION. TOXICS TARGETING, INC. SHALL NOT BE LIABLE FOR ANY DAMAGE CAUSED BY THIS REPORT, WHETHER DIRECT OR INDIRECT, AND WHETHER OR NOT TOXICS TARGETING, INC. HAS BEEN ADVISED OF OR HAS KNOWLEDGE OF THE POSSIBILITY OF SUCH DAMAGES. TOXICS TARGETING, INC. EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

Period of Warranty

The period of warranty coverage is ninety days from the date of purchase of this Report. There shall be no warranty after the period of coverage. ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE SHALL HAVE NO GREATER DURATION THAN THE PERIOD OF WARRANTY STATED HERE, AND SHALL TERMINATE AUTOMATICALLY UPON THE EXPIRATION OF SUCH PERIOD. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you.

PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS COMPUTERIZED ENVIRONMENTAL REPORT.

Table of Contents

Introduction

Toxics Targeting has combined environmental database searches, extensive regulatory analysis and sophisticated mapping techniques to produce your *Computerized Environmental Report.* It checks for the presence of 19 categories of government-reported toxic sites and provides detailed, up-to-date information on each identified site. The findings of your report are presented in an easy-to-understand format that:

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.

2. ***Estimates*** the distance and direction between the target address and each identified toxic site.

3. ***Reports*** air and water permit non-compliance and other regulatory violations.

4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.

5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

The Three Sections Of Your Report

The first section highlights your report's findings by summarizing identified sites according to: **a)** distance intervals, **b)** direction, **c)** proximity to the target address and **d)** individual site categories. In addition, the locations of all identified toxic sites are illustrated on individual maps for each radius search distance used in your report. Finally, a close-up map illustrates the locations of all identified toxic sites, at the shortest radius search distance used in your report.

The second section of your report contains *Toxic Site Profiles* that provide detailed information on each identified toxic site. The information in each *Toxic Site Profile* varies according to its source. Some toxic site categories have extensive information, some have limited information. All the information is updated on a regular basis.

The third section of the report contains appendices that identify: **1)** on-site spills reported to the national Emergency Response Notification System (ERNS), **2)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **3)** codes that characterize hazardous wastes reported at various facilities, **4)** methods used to map toxic sites identified in your report and **5)** information sources used in your report.

How to Use Your Report

- Check Table One to see the number of identified sites by distance intervals.

- Check Table Two to see identified sites sorted by direction.

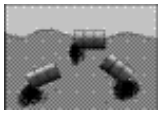
- Check Table Three to see identified sites ranked by proximity to the target address.

- Check Table Four to see identified sites sorted by site categories.

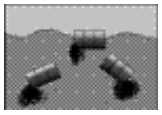
- Refer to the various maps to see the locations of identified toxic sites. Refer to the *Toxic Site Profile* and *Appendix* sections for additional information.

Toxic Site Databases Analyzed In Your Report

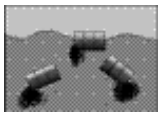
Search Radius

One-Mile 

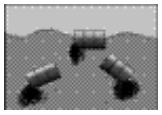
1) ***New York Inactive Hazardous Waste Disposal Site Registry****:* a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile 

2) ***CERCLIS*** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile 

3) ***National Priority List for Federal Superfund Cleanup****:* a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

One-Mile 

4) ***New York Hazardous Substance Disposal Site Draft Study****:* a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites are not eligible for state clean up funding programs.

One-Mile 

5) ***New York State Brownfield Cleanup Sites****:* a listing of sites that are abandoned, idled or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

One-Mile 

6) ***New York Solid Waste Facilities Registry, including New York City 1934 Sites****:* active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

One-Mile 

7) ***New York State Major Oil Storage Facilities****:* sites with more than a 400,000 gallon capacity for storing petroleum products.

One-Mile 

8) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System.

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

One-Mile 

9) ***RCRA Corrective Action Activity (CORRACTS):*** waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile 

10a) ***Toxic Spills: active*** stationary source spills reported to state environmental authorities, including unremediated leaking underground storage tanks.

Half-Mile 

10b) ***Toxic Spills: closed*** stationary and non-stationary source spills reported to state authorities, including remediated leaking underground storage tanks.

Quarter-Mile 

11) ***New York and Local Petroleum Bulk Storage Facilities****:* sites with more than an 1,100 gallon capacity for storing petroleum products.

Quarter-Mile 

12) ***New York and Federal Hazardous Waste Generators and Transporters****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System.

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Quarter-Mile 

13) ***New York Chemical Bulk Storage Facilities****:* Sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Quarter-Mile 

14) ***Federal Toxic Release Inventory Facilities****:* discharges of selected toxic chemicals to air, land, water or treatment facilities.

Quarter-Mile 

15) ***Historic New York City Utility Sites (1890's to 1940's)****:* power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

Quarter-Mile 

16) ***Air Discharges****:* Air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Quarter-Mile 

17) ***Federal Permit Compliance System Toxic Wastewater Discharges****:* permitted toxic wastewater discharges.

Quarter-Mile 

18) ***Federal Civil and Administrative Enforcement Docket****:* judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

Property only 

19) ***ERNS: Federal Emergency Response Notification System Spills****:* a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Computerized Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The computerized map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;

- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 19 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;

- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.*

- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.

- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One: Number of Identified Toxic Sites By Distance Interval*
- *Table Two: Identified Toxic Sites By Direction*
- *Table Three: Identified Toxic Sites Ranked By Proximity*
- *Table Four: Identified Toxic Sites By Category*
- *Map One: One-Mile Radius Map*
- *Map Two: Half-Mile Radius Map*
- *Map Three: Quarter-Mile Radius Map*
- *Map Four: Quarter-Mile Radius Close up Map*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site(s) Category Totals
NYS Inactive Haz Waste Registry or Reg. Qualifying Sites *	0	0	0	0	0	0
CERCLIS Sites *	0	0	0	0	0	0
National Priority List Sites *	0	0	0	0	0	0
Hazardous Substance Waste Disposal Sites *	0	0	0	0	0	0
Brownfields Sites *	0	0	0	1	1	2
NYS Solid Waste Facilities *	0	0	0	0	1	1
NYS Major Oil Storage Facilities *	0	0	0	0	0	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites *	0	0	0	0	0	0
RCRA Corrective Action Sites *	0	0	0	0	0	0
NYS Toxic Spills (incl. Leaking Undrgrnd Storage Tanks) **	0	6	26	49(45)	Not searched	81(45)
Local & State Petroleum Bulk Storage Sites ***	1	7	44	Not searched	Not searched	52
RCRA Hazardous Waste Generators & Transporters ***	1	4	6	Not searched	Not searched	11
NYS Chemical Bulk Storage Sites ***	0	0	0	Not searched	Not searched	0
Toxic Release Inventory Sites (TRI) ***	0	1	0	Not searched	Not searched	1
Historic Utility Facilities ***	0	0	0	Not searched	Not searched	0
Permit Compliance System Toxic Wastewater Discharges ***	0	0	0	Not searched	Not searched	0
NYS Air Discharges ***	0	2	2	Not searched	Not searched	4
Civil & Administrative Enforcement Docket Facilities ***	0	0	0	Not searched	Not searched	0
ERNS (Onsite) *****	0	Not searched	Not searched	Not searched	Not searched	0
NYC Fire Marshall Tank Sites (Onsite) *****	0	Not searched	Not searched	Not searched	Not searched	0
Distance Interval Totals	2	20	78	50(45)	2	152(45)

Search Radius: * 1 Mile Search Radius ** 1/2 Mile Search Radius *** 1/4 Mile Search Radius **** 1/8 Mile Search Radius ***** on-site only

Numbers in ( ) indicate spills not mapped and profiled, and are found in the tables at the end of the active and closed spills sections.
See these tables for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Direction

1825 Boston Rd
Bronx, NY 10460

* Compass directions can vary substantially for sites located very close to the subject property address.

Sites less than 100 feet from subject property sorted by distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
137	NYCDOT - WEST FARMS DEPOT	1801-1825 BOSTON RD	0 feet	Hazardous Waste Generator/Transporter
85	WEST FARMS DEPOT	1811 BOSTON ROAD	92 feet to the SW*	Petroleum Bulk Storage Site

Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
92	1890 CROTONA PARKWAY	1890 CROTONA PARKWAY	635 feet to the N	Petroleum Bulk Storage Site
32	CROSS BRONX EXPRESSWAY	BOSTON POST RD OVERPASS	542 feet to the ENE	Closed Status Spill (Unk/Other Cause)
86	APT HOUSE	1838 VYSE AVE	266 feet to the SE	Petroleum Bulk Storage Site
88	APT HOUSE	1806 VYSE AVE	481 feet to the S	Petroleum Bulk Storage Site
4	UNKNOWN	1797 VYSE AV	532 feet to the S	Active Tank Failure
140	WEST NEW YORK RESTORATION INC	1797 VYSE AVE	534 feet to the S	Hazardous Waste Generator/Transporter
89	RTP MANAGEMENT CORPORATION	1796 VYSE AVENUE	561 feet to the S	Petroleum Bulk Storage Site
90	1796 VSYE AVENUE	1796 VYSE AVENUE	561 feet to the S	Petroleum Bulk Storage Site
138	ARTHUR FRISCH COMPANY INCORPORATED	1816 BOSTON POST ROAD	202 feet to the SSW	Hazardous Waste Generator/Transporter
139	CONSOLIDATED EDISON	V 1633 - 1816 BOSTON RD	202 feet to the SSW	Hazardous Waste Generator/Transporter
148	ARTHUR FRISCH CO. INC.	1816 BOSTON RD.	204 feet to the SSW	Toxic Release Inventory Site
149	ARTHUR FRISCH CO INC	1816 BOSTON ROAD	204 feet to the SSW	Air Discharge Site
150	ARTHUR FRISCH CO INC.	1816 BOSTON ROAD	204 feet to the SSW	Air Discharge Site
87	MONTEFIORE CENTRAL LAUNDRY	1776 HOE AVENUE	436 feet to the SSW	Petroleum Bulk Storage Site
65	NYCTA	1801 BOSTN RD / E 175 ST	141 feet to the SW*	Closed Status Spill (Misc. Spill Cause)
15	AMOCO	1776 SOUTHERN BLVD	597 feet to the SW	Active Haz Spill (Unknown/Other Cause)
91	AMOCO SERVICE STATION #60024	1776 SOUTHERN BLVD	599 feet to the SW	Petroleum Bulk Storage Site
141	BRONXVILLE SCHOOL	177 PONDFIELD RD	603 feet to the SW	Hazardous Waste Generator/Transporter
26	18-30 SOUTHERN BLVD	18-30 SOUTHERN BLVD	415 feet to the WSW	Closed Status Tank Test Failure
66	891 EAST 175TH STREET	891 EAST 175TH STREET	648 feet to the WNW	Closed Status Spill (Misc. Spill Cause)

Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
27	1900 CROTONA PKWY/BRONX/S	1900 CROTONA PARKWAY	721 feet to the N	Closed Status Tank Test Failure
28	1900 CROTONA PKWY/ST.THOM	1900 CROTONA PARKWAY	721 feet to the N	Closed Status Tank Test Failure
94	ST THOMAS AQUINAS CHURCH	1900 CROTONA PKWY	722 feet to the N	Petroleum Bulk Storage Site
98	895 FAIRMOUNT PLACE	895 FAIRMOUNT PLACE	824 feet to the N	Petroleum Bulk Storage Site
106	APT HOUSE	922 ELSMERE PLACE	912 feet to the N	Petroleum Bulk Storage Site
107	1922 CROTONA PARKWAY	1922 CROTONA PARKWAY	924 feet to the N	Petroleum Bulk Storage Site
109	DAMA ASSOC	1915 SOUTHERN BLVD	926 feet to the N	Petroleum Bulk Storage Site
120	1941 SOUTHERN BOULEVARD	1941 SOUTHERN BOULEVARD	1196 feet to the N	Petroleum Bulk Storage Site
127	3092 REALTY CORPORATION	1956 CROTONA PKY	1252 feet to the N	Petroleum Bulk Storage Site
128	1956 CROTONA PARKWAY	1956 CROTONA PARKWAY	1252 feet to the N	Petroleum Bulk Storage Site
20	PUBLIC SCHOOL 67	2024 MOHEGAN AV	1760 feet to the N	Active Haz Spill (Unknown/Other Cause)
61	MANHOLE 13383	E 180TH ST / CROTONA PKWY	2499 feet to the N	Closed Status Spill (Unk/Other Cause)
93	ST THOMAS AQUINAS SCHOOL	1909 DALY AVE	708 feet to the NNE	Petroleum Bulk Storage Site
105	APT HOUSE	1933 DALY AVE	895 feet to the NNE	Petroleum Bulk Storage Site
112	TINY FIESTA REALTY	1950 DALY AVENUE	1043 feet to the NNE	Petroleum Bulk Storage Site
36	VAULT #1605	DALY AVE/N TREMONT	1131 feet to the NNE	Closed Status Spill (Unk/Other Cause)
118	ENGINE 45 / LADDER 58	925 EAST TREMONT AVENUE	1149 feet to the NNE	Petroleum Bulk Storage Site
5	ENGINE CO. 045/LADD. CO. 58 FDNY -DDC	925 EAST TREEMONT AV	1157 feet to the NNE	Active Tank Failure
70	NYFD ENGINE CO 45	925 EAST TREMONT AVE	1157 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
45		935 EAST 178TH ST 2-B	1494 feet to the NNE	Closed Status Spill (Unk/Other Cause)
54	TM1014	HONEYWELL AVE & E180 ST	2310 feet to the NNE	Closed Status Spill (Unk/Other Cause)
19	TRANFORMER MANHOLE #2952	178TH/BRYANT AVE	1633 feet to the NE	Active Haz Spill (Unknown/Other Cause)
46	MANHOLE#2952	178TH STREET/BRYANT AVE	1633 feet to the NE	Closed Status Spill (Unk/Other Cause)
47	VAULT 2952	178TH ST & BRYANT AV	1633 feet to the NE	Closed Status Spill (Unk/Other Cause)
56		EAST 180TH ST & BOSTON RD	2382 feet to the NE	Closed Status Spill (Unk/Other Cause)
57	VAULT 4146	E180TH ST/BOSTON RD	2382 feet to the NE	Closed Status Spill (Unk/Other Cause)
58	VAULT # 5016	E 180TH ST / BOSTON RD	2382 feet to the NE	Closed Status Spill (Unk/Other Cause)
111	1950 BRYANT AVENUE	1950 BRYANT AVENUE	1023 feet to the ENE	Petroleum Bulk Storage Site
11	COLISEUM DEPOT	1000 EAST TREMONT AVE	1240 feet to the ENE	Active Tank Test Failure
38	COLISEUM DEPOT	1000 E TREMONT AVE	1240 feet to the ENE	Closed Status Spill (Unk/Other Cause)
76	COLISEUM DEPOT	1000 E TREMONT ST	1240 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
125	PUBLIC SCHOOL 6	1000 EAST TREMONT AVENUE	1245 feet to the ENE	Petroleum Bulk Storage Site
126	COLISEUM BUS DEPOT	1000 EAST TREMONT AVE	1245 feet to the ENE	Petroleum Bulk Storage Site
145	NYC BOARD OF EDUCATION - PS 6	1000 E TREMONT AVENUE	1245 feet to the ENE	Hazardous Waste Generator/Transporter
78		1010 EAST TREMONT AVENUE	1291 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
135	1010 E TREMONT REALTY CORP	1010 E TREMONT AVE	1296 feet to the ENE	Petroleum Bulk Storage Site
147	INTERSTATE TRANSPORT INC	1010 E TREMONT AVE	1296 feet to the ENE	Hazardous Waste Generator/Transporter
6	MURPHY HOUSES	1010 EAST 178TH ST	1624 feet to the ENE	Active Tank Failure
7		1010 E 178TH ST	1624 feet to the ENE	Active Tank Failure
13	MURPHY CONSOLIDATED	1010 EAST 178TH STREET	1624 feet to the ENE	Active Tank Test Failure
53	BRONX RIVER	BRONX RIVER	2250 feet to the ENE	Closed Status Spill (Unk/Other Cause)
55	QUALITY MILL WORK CORP	425 DEVOE AVE	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
103	1898 LONGFELLOW HDFC	1898 LONGFELLOW AVENUE	894 feet to the E	Petroleum Bulk Storage Site

129	I.S. 167	1970 WEST FARMS ROAD	1252 feet to the E	Petroleum Bulk Storage Site
146	PUBLIC SCHOOL IS 167X	1970 W FARM RD	1252 feet to the E	Hazardous Waste Generator/Transporter
52	ON WATERFRONT/OUTFALL	177TH ST./ DEVOE AVE.	2102 feet to the E	Closed Status Spill (Unk/Other Cause)
29	1100 E 177TH ST/BX	1100 EAST 177TH STREET	2116 feet to the E	Closed Status Tank Test Failure
80	MTA BUS DEPOT	1100 E 177 ST	2116 feet to the E	Closed Status Spill (Misc. Spill Cause)
59	X	1125 WYATT STREET	2436 feet to the E	Closed Status Spill (Unk/Other Cause)
3	DELMA CONSTRUCTION CO INC		3035 feet to the E	Solid Waste Facility
143	CLEAN BRIGHT CLEANERS	1899 WEST FARMS ROAD	1118 feet to the ESE	Hazardous Waste Generator/Transporter
151	ATLANTIC ROLLING STEEL DOOR CORP.	1903 WEST FARMS ROAD	1130 feet to the ESE	Air Discharge Site
79	CROSS BX EPWY/SHERIDAN EX	CROSS BX EXPWY/SHERIDAN E	1489 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
108	GOOD O'BEVERAGE COMPANY	1801 BOONE AVE	926 feet to the SE	Petroleum Bulk Storage Site
40	1787 WEST FARMS ROAD	1787 W. FARMS ROAD	1466 feet to the SE	Closed Status Spill (Unk/Other Cause)
41	NYCDOS BRONX EAST A	1787 WEST FARMS ROAD	1466 feet to the SE	Closed Status Spill (Unk/Other Cause)
42	BRONX EAST A	1787 WEST FARMS RD	1466 feet to the SE	Closed Status Spill (Unk/Other Cause)
48	STARLITE PARK	SHERIDAN EXPRESSWAY	1678 feet to the SE	Closed Status Spill (Unk/Other Cause)
82	AMTRAK	174 ST BRONX RIVER AVE	2420 feet to the SE	Closed Status Spill (Misc. Spill Cause)
14	BRONX RIVER HOUSES	1575 EAST 174TH STREET	2449 feet to the SE	Active Tank Test Failure
60	BRONX RIVER HOUSING	1575 E. 174TH ST	2449 feet to the SE	Closed Status Spill (Unk/Other Cause)
83	BRONX RIVER HOUSES	1575 EAST 174TH STREET	2449 feet to the SE	Closed Status Spill (Misc. Spill Cause)
69	LONGFELLOW AV	EAST 174TH ST	1111 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
114	H.P.D.	1003-05 EAST 174TH STREET	1114 feet to the SSE	Petroleum Bulk Storage Site
133	1016 EAST 174TH STREET	1016 EAST 174TH STREET	1285 feet to the SSE	Petroleum Bulk Storage Site
44	GETTY #276	1720 BOONE AVE	1493 feet to the SSE	Closed Status Spill (Unk/Other Cause)
1	CE - E. 173RD ST. - BRONX WORKS	WEST FARMS RD.& BRONX RIVER BRONX	1941 feet to the SSE	Brownfields Site
50	0940 (TRANFORMER MANHOLE)	E 173 ST & W FARMS RD	1941 feet to the SSE	Closed Status Spill (Unk/Other Cause)
51	MANHOLE 27283	W FARM RD/E 173 RD ST	1941 feet to the SSE	Closed Status Spill (Unk/Other Cause)
67	1773 VYSE AVE	1773 VYSE AVE	740 feet to the S	Closed Status Spill (Misc. Spill Cause)
95	APT HOUSE 1773 VYSE AVE	1773 VYSE AVE	743 feet to the S	Petroleum Bulk Storage Site
96	APT HOWE 1769 VYSE AVE	1769 VYSE AVE	777 feet to the S	Petroleum Bulk Storage Site
33	NEW HORIZON RETAIL CENTER	971 EAST 174TH ST	876 feet to the S	Closed Status Spill (Unk/Other Cause)
110	985 EAST 174TH ST	985 EAST 174TH ST	970 feet to the S	Petroleum Bulk Storage Site
142	HILLS CLEANERS	985 EAST 174TH STREET	970 feet to the S	Hazardous Waste Generator/Transporter
121	1715-17 BRYANT AVENUE	1715-17 BRYANT AVENUE	1203 feet to the S	Petroleum Bulk Storage Site
12	MURPHY CONSOLIDATED	1705 BRYANT AVE	1261 feet to the S	Active Tank Test Failure
130	MURPHY CONSOLIDATED	1705 BRYANT AVENUE	1264 feet to the S	Petroleum Bulk Storage Site
9	PRG PACKING	1560 BOONE AVE	2207 feet to the S	Active Tank Failure
22	UNDERGROUND TRANSFORMER	1565 WEST FARMS RD	2268 feet to the S	Active Haz Spill (Unknown/Other Cause)
99	940 EAST 174TH STREET	940 EAST 174TH STREET	852 feet to the SSW	Petroleum Bulk Storage Site
100	940 EAST 174TH STREET	940 EAST 174TH STREET	852 feet to the SSW	Petroleum Bulk Storage Site
113	CROTONA VI REDEVELOPMENT CO	1695 HOE AVE	1091 feet to the SSW	Petroleum Bulk Storage Site
115	1687 HOE AVE	1687 HOE AVE	1124 feet to the SSW	Petroleum Bulk Storage Site
116	M B D II ASSO	1717 VYSE AVE	1132 feet to the SSW	Petroleum Bulk Storage Site
117	M B D III ASOC	1717 VYSE AVE	1132 feet to the SSW	Petroleum Bulk Storage Site
17	MURPHY CONSOLIDATED	1700 HULL AVENUE	1210 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
122	MURPHY CONSOLIDATED	1700 HOE AVENUE	1210 feet to the SSW	Petroleum Bulk Storage Site
10		1665 HOE AV	1214 feet to the SSW	Active Tank Test Failure
134	MBD II ASSO	1693 VYSE AVE	1296 feet to the SSW	Petroleum Bulk Storage Site
43	MANHOLE 8157	173RD ST AND HOE AVE	1473 feet to the SSW	Closed Status Spill (Unk/Other Cause)

68	BOSTON RD & E 174TH ST	BOSTON RD & E 174TH ST	874 feet to the SW	Closed Status Spill (Misc. Spill Cause)
104	NSDP ASSOC. LLC	920 EAST 174TH STREET	894 feet to the SW	Petroleum Bulk Storage Site
35	URBAN HOMES	17-07/17-09 BOSTON ROAD	1125 feet to the SW	Closed Status Spill (Unk/Other Cause)
152	DOVER CLEANERS	1703 BOSTON ROAD	1154 feet to the SW	Air Discharge Site
144	DOVER CLEANERS	1701 BOSTON RD	1166 feet to the SW	Hazardous Waste Generator/Transporter
131	BOSTON ROAD HDFC INC	1681 BOSTON ROAD	1280 feet to the SW	Petroleum Bulk Storage Site
136	1674 BOSTON ROAD	1674 BOSTON RD	1316 feet to the SW	Petroleum Bulk Storage Site
21	1624 BOSTON RD	1624 BOSTON RD	1823 feet to the SW	Active Haz Spill (Unknown/Other Cause)
8		1555 SEABURY PLACE	1914 feet to the SW	Active Tank Failure
81	MINFORD PL &EAST 172ND ST	MINFORD PL / E 172ND ST	2239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
97	1816 CROTONA PARK EAST	1816 CROTONA PARK EAST	792 feet to the WSW	Petroleum Bulk Storage Site
34	1714 CROTRONA PARK EAST	1714 CROTRONA PARK EAST	1074 feet to the WSW	Closed Status Spill (Unk/Other Cause)
71	URBAN HOME OWNERSHIP	1700 CROTONA PARK EAST	1230 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
72	CORTYARD	1700 CROTONA PARK EAST	1230 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
73	1700 CROTONA PARK EAST	1700 CROTONA PARK EAST	1230 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
74	APT BUILDING	1700 CROTONA PARK EAST	1230 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
75		1700 CROTONA PK EAST	1230 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
39	RESIDENTIAL BLDG	1680 CORTONA PARK EAST	1455 feet to the WSW	Closed Status Spill (Unk/Other Cause)
101	897 CROTONA PARK NORTH	897 CROTONA PARK NORTH	865 feet to the W	Petroleum Bulk Storage Site
102	CROTONA TRANSITIONAL RESIDENCE	897 CROTONA PARK NORTH	865 feet to the W	Petroleum Bulk Storage Site
119	846 E 175TH ST	846 E 175 ST	1189 feet to the WNW	Petroleum Bulk Storage Site
37		853 CROTONA PARK NORTH	1209 feet to the WNW	Closed Status Spill (Unk/Other Cause)
123	1809 MARMION AVENUE	1809 MARMION AVENUE	1233 feet to the WNW	Petroleum Bulk Storage Site
124	1801 MARMION AVENUE	1801 MARMION AV	1241 feet to the WNW	Petroleum Bulk Storage Site
30	MURPHY B	1805 CROTONA AVENUE	2632 feet to the WNW	Closed Status Tank Test Failure
31	MURPHY	1805 CROTONA AVENUE	2632 feet to the WNW	Closed Status Tank Test Failure
63	1805 CROTONA AVE	X STREET E175TH STREET	2632 feet to the WNW	Closed Status Spill (Unk/Other Cause)
64	MURPHY HOUSING	1805 CROTONA AVE	2632 feet to the WNW	Closed Status Spill (Unk/Other Cause)
84	MURPHY CONSOLIDATED	1805 CROTONA AVE	2632 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
2	CE - E. 175TH ST. STATION	1815 - 1845 WEBSTER AVE.	5244 feet to the WNW	Brownfields Site
16	VACANT AREA	844 EAST 176 STREET	1147 feet to the NW	Active Haz Spill (Unknown/Other Cause)
18	BRONX EAST 06A DOS -DDC	800 EAST 176TH STREET	1544 feet to the NW	Active Haz Spill (Unknown/Other Cause)
24	NYC DEPT SANATATION	800 EAST 176TH ST B-6A	1544 feet to the NW	Closed Status Tank Failure
23		716 FAIRMOUNT PLACE	2464 feet to the NW	Active Haz Spill (Unknown/Other Cause)
62	MANHOLE 979	EAST 176TH ST/CROTONA AV	2606 feet to the NW	Closed Status Spill (Unk/Other Cause)
77	870 ELSMERE PL.	870 ELSMERE PL.	1241 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
132	ELGATE	866 ELSMERE PL	1280 feet to the NNW	Petroleum Bulk Storage Site
49	781 ELSMERE PL/VAN GUARD	781 ELSMERE PLACE	1930 feet to the NNW	Closed Status Spill (Unk/Other Cause)
25	PROSPECT CLEANERS	1976 PROSPECT AVE	2281 feet to the NNW	Closed Status Tank Failure

Identified Toxic Sites by Proximity

1825 Boston Rd, Bronx, NY 10460

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
137	NYCDOT - WEST FARMS DEPOT	1801-1825 BOSTON RD	0 feet	Hazardous Waste Generator/Transporter
85	WEST FARMS DEPOT	1811 BOSTON ROAD	92 feet to the SW*	Petroleum Bulk Storage Site
65	NYCTA	1801 BOSTN RD / E 175 ST	141 feet to the SW*	Closed Status Spill (Misc. Spill Cause)
138	ARTHUR FRISCH COMPANY INCORPORATED	1816 BOSTON POST ROAD	202 feet to the SSW	Hazardous Waste Generator/Transporter
139	CONSOLIDATED EDISON	V 1633 - 1816 BOSTON RD	202 feet to the SSW	Hazardous Waste Generator/Transporter
148	ARTHUR FRISCH CO. INC.	1816 BOSTON RD.	204 feet to the SSW	Toxic Release Inventory Site
149	ARTHUR FRISCH CO INC	1816 BOSTON ROAD	204 feet to the SSW	Air Discharge Site
150	ARTHUR FRISCH CO INC.	1816 BOSTON ROAD	204 feet to the SSW	Air Discharge Site
86	APT HOUSE	1838 VYSE AVE	266 feet to the SE	Petroleum Bulk Storage Site
26	18-30 SOUTHERN BLVD	18-30 SOUTHERN BLVD	415 feet to the WSW	Closed Status Tank Test Failure
87	MONTEFIORE CENTRAL LAUNDRY	1776 HOE AVENUE	436 feet to the SSW	Petroleum Bulk Storage Site
88	APT HOUSE	1806 VYSE AVE	481 feet to the S	Petroleum Bulk Storage Site
4	UNKNOWN	1797 VYSE AV	532 feet to the S	Active Tank Failure
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89	RTP MANAGEMENT CORPORATION	1796 VYSE AVENUE	561 feet to the S	Petroleum Bulk Storage Site
90	1796 VSYE AVENUE	1796 VYSE AVENUE	561 feet to the S	Petroleum Bulk Storage Site
15	AMOCO	1776 SOUTHERN BLVD	597 feet to the SW	Active Haz Spill (Unknown/Other Cause)
91	AMOCO SERVICE STATION #60024	1776 SOUTHERN BLVD	599 feet to the SW	Petroleum Bulk Storage Site
141	BRONXVILLE SCHOOL	177 PONDFIELD RD	603 feet to the SW	Hazardous Waste Generator/Transporter
92	1890 CROTONA PARKWAY	1890 CROTONA PARKWAY	635 feet to the N	Petroleum Bulk Storage Site
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28	1900 CROTONA PKWY/ST.THOM	1900 CROTONA PARKWAY	721 feet to the N	Closed Status Tank Test Failure
94	ST THOMAS AQUINAS CHURCH	1900 CROTONA PKWY	722 feet to the N	Petroleum Bulk Storage Site
67	1773 VYSE AVE	1773 VYSE AVE	740 feet to the S	Closed Status Spill (Misc. Spill Cause)
95	APT HOUSE 1773 VYSE AVE	1773 VYSE AVE	743 feet to the S	Petroleum Bulk Storage Site
96	APT HOWE 1769 VYSE AVE	1769 VYSE AVE	777 feet to the S	Petroleum Bulk Storage Site
97	1816 CROTONA PARK EAST	1816 CROTONA PARK EAST	792 feet to the WSW	Petroleum Bulk Storage Site
98	895 FAIRMOUNT PLACE	895 FAIRMOUNT PLACE	824 feet to the N	Petroleum Bulk Storage Site
99	940 EAST 174TH STREET	940 EAST 174TH STREET	852 feet to the SSW	Petroleum Bulk Storage Site
100	940 EAST 174TH STREET	940 EAST 174TH STREET	852 feet to the SSW	Petroleum Bulk Storage Site
101	897 CROTONA PARK NORTH	897 CROTONA PARK NORTH	865 feet to the W	Petroleum Bulk Storage Site
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68	BOSTON RD & E 174TH ST	BOSTON RD & E 174TH ST	874 feet to the SW	Closed Status Spill (Misc. Spill Cause)
33	NEW HORIZON RETAIL CENTER	971 EAST 174TH ST	876 feet to the S	Closed Status Spill (Unk/Other Cause)
103	1898 LONGFELLOW HDFC	1898 LONGFELLOW AVENUE	894 feet to the E	Petroleum Bulk Storage Site
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108	GOOD O'BEVERAGE COMPANY	1801 BOONE AVE	926 feet to the SE	Petroleum Bulk Storage Site
109	DAMA ASSOC	1915 SOUTHERN BLVD	926 feet to the N	Petroleum Bulk Storage Site
110	985 EAST 174TH ST	985 EAST 174TH ST	970 feet to the S	Petroleum Bulk Storage Site

142	HILLS CLEANERS	985 EAST 174TH STREET	970 feet to the S	Hazardous Waste Generator/Transporter
111	1950 BRYANT AVENUE	1950 BRYANT AVENUE	1023 feet to the ENE	Petroleum Bulk Storage Site
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34	1714 CROTRONA PARK EAST	1714 CROTRONA PARK EAST	1074 feet to the WSW	Closed Status Spill (Unk/Other Cause)
113	CROTONA VI REDEVELOPMENT CO	1695 HOE AVE	1091 feet to the SSW	Petroleum Bulk Storage Site
69	LONGFELLOW AV	EAST 174TH ST	1111 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
114	H.P.D.	1003-05 EAST 174TH STREET	1114 feet to the SSE	Petroleum Bulk Storage Site
143	CLEAN BRIGHT CLEANERS	1899 WEST FARMS ROAD	1118 feet to the ESE	Hazardous Waste Generator/Transporter
115	1687 HOE AVE	1687 HOE AVE	1124 feet to the SSW	Petroleum Bulk Storage Site
35	URBAN HOMES	17-07/17-09 BOSTON ROAD	1125 feet to the SW	Closed Status Spill (Unk/Other Cause)
151	ATLANTIC ROLLING STEEL DOOR CORP.	1903 WEST FARMS ROAD	1130 feet to the ESE	Air Discharge Site
36	VAULT #1605	DALY AVE/N TREMONT	1131 feet to the NNE	Closed Status Spill (Unk/Other Cause)
116	M B D II ASSO	1717 VYSE AVE	1132 feet to the SSW	Petroleum Bulk Storage Site
117	M B D III ASOC	1717 VYSE AVE	1132 feet to the SSW	Petroleum Bulk Storage Site
16	VACANT AREA	844 EAST 176 STREET	1147 feet to the NW	Active Haz Spill (Unknown/Other Cause)
118	ENGINE 45 / LADDER 58	925 EAST TREMONT AVENUE	1149 feet to the NNE	Petroleum Bulk Storage Site
152	DOVER CLEANERS	1703 BOSTON ROAD	1154 feet to the SW	Air Discharge Site
5	ENGINE CO. 045/LADD. CO. 58 FDNY -DDC	925 EAST TREEMONT AV	1157 feet to the NNE	Active Tank Failure
70	NYFD ENGINE CO 45	925 EAST TREMONT AVE	1157 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
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121	1715-17 BRYANT AVENUE	1715-17 BRYANT AVENUE	1203 feet to the S	Petroleum Bulk Storage Site
37		853 CROTONA PARK NORTH	1209 feet to the WNW	Closed Status Spill (Unk/Other Cause)
17	MURPHY CONSOLIDATED	1700 HULL AVENUE	1210 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
122	MURPHY CONSOLIDATED	1700 HOE AVENUE	1210 feet to the SSW	Petroleum Bulk Storage Site
10		1665 HOE AV	1214 feet to the SSW	Active Tank Test Failure
71	URBAN HOME OWNERSHIP	1700 CROTONA PARK EAST	1230 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
72	CORTYARD	1700 CROTONA PARK EAST	1230 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
73	1700 CROTONA PARK EAST	1700 CROTONA PARK EAST	1230 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
74	APT BUILDING	1700 CROTONA PARK EAST	1230 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
75		1700 CROTONA PK EAST	1230 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
123	1809 MARMION AVENUE	1809 MARMION AVENUE	1233 feet to the WNW	Petroleum Bulk Storage Site
11	COLISEUM DEPOT	1000 EAST TREMONT AVE	1240 feet to the ENE	Active Tank Test Failure
38	COLISEUM DEPOT	1000 E TREMONT AVE	1240 feet to the ENE	Closed Status Spill (Unk/Other Cause)
76	COLISEUM DEPOT	1000 E TREMONT ST	1240 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
77	870 ELSMERE PL.	870 ELSMERE PL.	1241 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
124	1801 MARMION AVENUE	1801 MARMION AV	1241 feet to the WNW	Petroleum Bulk Storage Site
125	PUBLIC SCHOOL 6	1000 EAST TREMONT AVENUE	1245 feet to the ENE	Petroleum Bulk Storage Site
126	COLISEUM BUS DEPOT	1000 EAST TREMONT AVE	1245 feet to the ENE	Petroleum Bulk Storage Site
145	NYC BOARD OF EDUCATION - PS 6	1000 E TREMONT AVENUE	1245 feet to the ENE	Hazardous Waste Generator/Transporter
127	3092 REALTY CORPORATION	1956 CROTONA PKY	1252 feet to the N	Petroleum Bulk Storage Site
128	1956 CROTONA PARKWAY	1956 CROTONA PARKWAY	1252 feet to the N	Petroleum Bulk Storage Site
129	I.S. 167	1970 WEST FARMS ROAD	1252 feet to the E	Petroleum Bulk Storage Site
146	PUBLIC SCHOOL IS 167X	1970 W FARM RD	1252 feet to the E	Hazardous Waste Generator/Transporter
12	MURPHY CONSOLIDATED	1705 BRYANT AVE	1261 feet to the S	Active Tank Test Failure
130	MURPHY CONSOLIDATED	1705 BRYANT AVENUE	1264 feet to the S	Petroleum Bulk Storage Site
131	BOSTON ROAD HDFC INC	1681 BOSTON ROAD	1280 feet to the SW	Petroleum Bulk Storage Site
132	ELGATE	866 ELSMERE PL	1280 feet to the NNW	Petroleum Bulk Storage Site
133	1016 EAST 174TH STREET	1016 EAST 174TH STREET	1285 feet to the SSE	Petroleum Bulk Storage Site
78		1010 EAST TREMONT AVENUE	1291 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
134	MBD II ASSO	1693 VYSE AVE	1296 feet to the SSW	Petroleum Bulk Storage Site
135	1010 E TREMONT REALTY CORP	1010 E TREMONT AVE	1296 feet to the ENE	Petroleum Bulk Storage Site

147	INTERSTATE TRANSPORT INC	1010 E TREMONT AVE	1296 feet to the ENE	Hazardous Waste Generator/Transporter
136	1674 BOSTON ROAD	1674 BOSTON RD	1316 feet to the SW	Petroleum Bulk Storage Site
39	RESIDENTIAL BLDG	1680 CORTONA PARK EAST	1455 feet to the WSW	Closed Status Spill (Unk/Other Cause)
40	1787 WEST FARMS ROAD	1787 W. FARMS ROAD	1466 feet to the SE	Closed Status Spill (Unk/Other Cause)
41	NYCDOS BRONX EAST A	1787 WEST FARMS ROAD	1466 feet to the SE	Closed Status Spill (Unk/Other Cause)
42	BRONX EAST A	1787 WEST FARMS RD	1466 feet to the SE	Closed Status Spill (Unk/Other Cause)
43	MANHOLE 8157	173RD ST AND HOE AVE	1473 feet to the SSW	Closed Status Spill (Unk/Other Cause)
79	CROSS BX EPWY/SHERIDAN EX	CROSS BX EXPWY/SHERIDAN E	1489 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
44	GETTY #276	1720 BOONE AVE	1493 feet to the SSE	Closed Status Spill (Unk/Other Cause)
45		935 EAST 178TH ST 2-B	1494 feet to the NNE	Closed Status Spill (Unk/Other Cause)
18	BRONX EAST 06A DOS -DDC	800 EAST 176TH STREET	1544 feet to the NW	Active Haz Spill (Unknown/Other Cause)
24	NYC DEPT SANATATION	800 EAST 176TH ST B-6A	1544 feet to the NW	Closed Status Tank Failure
6	MURPHY HOUSES	1010 EAST 178TH ST	1624 feet to the ENE	Active Tank Failure
7		1010 E 178TH ST	1624 feet to the ENE	Active Tank Failure
13	MURPHY CONSOLIDATED	1010 EAST 178TH STREET	1624 feet to the ENE	Active Tank Test Failure
19	TRANFORMER MANHOLE #2952	178TH/BRYANT AVE	1633 feet to the NE	Active Haz Spill (Unknown/Other Cause)
46	MANHOLE#2952	178TH STREET/BRYANT AVE	1633 feet to the NE	Closed Status Spill (Unk/Other Cause)
47	VAULT 2952	178TH ST & BRYANT AV	1633 feet to the NE	Closed Status Spill (Unk/Other Cause)
48	STARLITE PARK	SHERIDAN EXPRESSWAY	1678 feet to the SE	Closed Status Spill (Unk/Other Cause)
20	PUBLIC SCHOOL 67	2024 MOHEGAN AV	1760 feet to the N	Active Haz Spill (Unknown/Other Cause)
21	1624 BOSTON RD	1624 BOSTON RD	1823 feet to the SW	Active Haz Spill (Unknown/Other Cause)
8		1555 SEABURY PLACE	1914 feet to the SW	Active Tank Failure
49	781 ELSMERE PL/VAN GUARD	781 ELSMERE PLACE	1930 feet to the NNW	Closed Status Spill (Unk/Other Cause)
1	CE - E. 173RD ST. - BRONX WORKS	WEST FARMS RD.& BRONX RIVER BRONX	1941 feet to the SSE	Brownfields Site
50	0940 (TRANFORMER MANHOLE)	E 173 ST & W FARMS RD	1941 feet to the SSE	Closed Status Spill (Unk/Other Cause)
51	MANHOLE 27283	W FARM RD/E 173 RD ST	1941 feet to the SSE	Closed Status Spill (Unk/Other Cause)
52	ON WATERFRONT/OUTFALL	177TH ST./ DEVOE AVE.	2102 feet to the E	Closed Status Spill (Unk/Other Cause)
29	1100 E 177TH ST/BX	1100 EAST 177TH STREET	2116 feet to the E	Closed Status Tank Test Failure
80	MTA BUS DEPOT	1100 E 177 ST	2116 feet to the E	Closed Status Spill (Misc. Spill Cause)
9	PRG PACKING	1560 BOONE AVE	2207 feet to the S	Active Tank Failure
81	MINFORD PL &EAST 172ND ST	MINFORD PL / E 172ND ST	2239 feet to the SW	Closed Status Spill (Misc. Spill Cause)
53	BRONX RIVER	BRONX RIVER	2250 feet to the ENE	Closed Status Spill (Unk/Other Cause)
22	UNDERGROUND TRANSFORMER	1565 WEST FARMS RD	2268 feet to the S	Active Haz Spill (Unknown/Other Cause)
25	PROSPECT CLEANERS	1976 PROSPECT AVE	2281 feet to the NNW	Closed Status Tank Failure
54	TM1014	HONEYWELL AVE & E180 ST	2310 feet to the NNE	Closed Status Spill (Unk/Other Cause)
55	QUALITY MILL WORK CORP	425 DEVOE AVE	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
56		EAST 180TH ST & BOSTON RD	2382 feet to the NE	Closed Status Spill (Unk/Other Cause)
57	VAULT 4146	E180TH ST/BOSTON RD	2382 feet to the NE	Closed Status Spill (Unk/Other Cause)
58	VAULT # 5016	E 180TH ST / BOSTON RD	2382 feet to the NE	Closed Status Spill (Unk/Other Cause)
82	AMTRAK	174 ST BRONX RIVER AVE	2420 feet to the SE	Closed Status Spill (Misc. Spill Cause)
59	X	1125 WYATT STREET	2436 feet to the E	Closed Status Spill (Unk/Other Cause)
14	BRONX RIVER HOUSES	1575 EAST 174TH STREET	2449 feet to the SE	Active Tank Test Failure
60	BRONX RIVER HOUSING	1575 E. 174TH ST	2449 feet to the SE	Closed Status Spill (Unk/Other Cause)
83	BRONX RIVER HOUSES	1575 EAST 174TH STREET	2449 feet to the SE	Closed Status Spill (Misc. Spill Cause)
23		716 FAIRMOUNT PLACE	2464 feet to the NW	Active Haz Spill (Unknown/Other Cause)
61	MANHOLE 13383	E 180TH ST / CROTONA PKWY	2499 feet to the N	Closed Status Spill (Unk/Other Cause)
62	MANHOLE 979	EAST 176TH ST/CROTONA AV	2606 feet to the NW	Closed Status Spill (Unk/Other Cause)
30	MURPHY B	1805 CROTONA AVENUE	2632 feet to the WNW	Closed Status Tank Test Failure
31	MURPHY	1805 CROTONA AVENUE	2632 feet to the WNW	Closed Status Tank Test Failure
63	1805 CROTONA AVE	X STREET E175TH STREET	2632 feet to the WNW	Closed Status Spill (Unk/Other Cause)
64	MURPHY HOUSING	1805 CROTONA AVE	2632 feet to the WNW	Closed Status Spill (Unk/Other Cause)
84	MURPHY CONSOLIDATED	1805 CROTONA AVE	2632 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
3	DELMA CONSTRUCTION CO INC		3035 feet to the E	Solid Waste Facility

2	CE - E. 175TH ST. STATION	1815 - 1845 WEBSTER AVE.	5244 feet to the WNW	Brownfields Site

Identified Toxic Sites by Category

1825 Boston Rd
Bronx, NY 10460

* Compass directions can vary substantially for sites located very close to the subject property address.

Brownfields Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	V00552	CE - E. 173RD ST. - BRONX WORKS	WEST FARMS RD.& BRONX RIVER BRONX	1941 feet to the SSE
2	V00556	CE - E. 175TH ST. STATION	1815 - 1845 WEBSTER AVE.	5244 feet to the WNW

Solid Waste Facilities

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
3	03W77	DELMA CONSTRUCTION CO INC		3035 feet to the E

Active Tank Failures

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
4	0112238	UNKNOWN	1797 VYSE AV	532 feet to the S
5	9710038	ENGINE CO. 045/LADD. CO. 58 FDNY -DDC	925 EAST TREEMONT AV	1157 feet to the NNE
6	0001287	MURPHY HOUSES	1010 EAST 178TH ST	1624 feet to the ENE
7	0001240		1010 E 178TH ST	1624 feet to the ENE
8	0207061		1555 SEABURY PLACE	1914 feet to the SW
9	0307241	PRG PACKING	1560 BOONE AVE	2207 feet to the S

Active Tank Test Failures

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
10	0104700		1665 HOE AV	1214 feet to the SSW
11	8904868	COLISEUM DEPOT	1000 EAST TREMONT AVE	1240 feet to the ENE
12	9811582	MURPHY CONSOLIDATED	1705 BRYANT AVE	1261 feet to the S
13	9502246	MURPHY CONSOLIDATED	1010 EAST 178TH STREET	1624 feet to the ENE
14	9412464	BRONX RIVER HOUSES	1575 EAST 174TH STREET	2449 feet to the SE

Active Haz Spills (Unknown Causes & Other Causes)

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
15	0212264	AMOCO	1776 SOUTHERN BLVD	597 feet to the SW
16	0404308	VACANT AREA	844 EAST 176 STREET	1147 feet to the NW
17	9008873	MURPHY CONSOLIDATED	1700 HULL AVENUE	1210 feet to the SSW
18	0406550	BRONX EAST 06A DOS -DDC	800 EAST 176TH STREET	1544 feet to the NW
19	0310626	TRANFORMER MANHOLE #2952	178TH/BRYANT AVE	1633 feet to the NE
20	9909019	PUBLIC SCHOOL 67	2024 MOHEGAN AV	1760 feet to the N
21	9707749	1624 BOSTON RD	1624 BOSTON RD	1823 feet to the SW
22	9712148	UNDERGROUND TRANSFORMER	1565 WEST FARMS RD	2268 feet to the S
23	0104638		716 FAIRMOUNT PLACE	2464 feet to the NW

Closed Status Tank Failures

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
24	0001795	NYC DEPT SANATATION	800 EAST 176TH ST B-6A	1544 feet to the NW
25	0312947	PROSPECT CLEANERS	1976 PROSPECT AVE	2281 feet to the NNW

Closed Status Tank Test Failures

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
26	8904473	18-30 SOUTHERN BLVD	18-30 SOUTHERN BLVD	415 feet to the WSW
27	8706923	1900 CROTONA PKWY/BRONX/S	1900 CROTONA PARKWAY	721 feet to the N
28	8706732	1900 CROTONA PKWY/ST.THOM	1900 CROTONA PARKWAY	721 feet to the N

29	8905782	1100 E 177TH ST/BX	1100 EAST 177TH STREET	2116 feet to the E
30	9402159	MURPHY B	1805 CROTONA AVENUE	2632 feet to the WNW
31	9006683	MURPHY	1805 CROTONA AVENUE	2632 feet to the WNW

Closed Status Spills (Unknown Causes & Other Causes)

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
32	0100717	CROSS BRONX EXPRESSWAY	BOSTON POST RD OVERPASS	542 feet to the ENE
33	0201730	NEW HORIZON RETAIL CENTER	971 EAST 174TH ST	876 feet to the S
34	9814386	1714 CROTRONA PARK EAST	1714 CROTRONA PARK EAST	1074 feet to the WSW
35	9814307	URBAN HOMES	17-07/17-09 BOSTON ROAD	1125 feet to the SW
36	9904510	VAULT #1605	DALY AVE/N TREMONT	1131 feet to the NNE
37	9907083		853 CROTONA PARK NORTH	1209 feet to the WNW
38	9109910	COLISEUM DEPOT	1000 E TREMONT AVE	1240 feet to the ENE
39	0202887	RESIDENTIAL BLDG	1680 CORTONA PARK EAST	1455 feet to the WSW
40	9501349	1787 WEST FARMS ROAD	1787 W. FARMS ROAD	1466 feet to the SE
41	0485277	NYCDOS BRONX EAST A	1787 WEST FARMS ROAD	1466 feet to the SE
42	0109268	BRONX EAST A	1787 WEST FARMS RD	1466 feet to the SE
43	0101819	MANHOLE 8157	173RD ST AND HOE AVE	1473 feet to the SSW
44	9709839	GETTY #276	1720 BOONE AVE	1493 feet to the SSE
45	9807156		935 EAST 178TH ST 2-B	1494 feet to the NNE
46	0311113	MANHOLE#2952	178TH STREET/BRYANT AVE	1633 feet to the NE
47	0308310	VAULT 2952	178TH ST & BRYANT AV	1633 feet to the NE
48	0305387	STARLITE PARK	SHERIDAN EXPRESSWAY	1678 feet to the SE
49	8911677	781 ELSMERE PL/VAN GUARD	781 ELSMERE PLACE	1930 feet to the NNW
50	0011553	0940 (TRANFORMER MANHOLE)	E 173 ST & W FARMS RD	1941 feet to the SSE
51	0007945	MANHOLE 27283	W FARM RD/E 173 RD ST	1941 feet to the SSE
52	0400644	ON WATERFRONT/OUTFALL	177TH ST./ DEVOE AVE.	2102 feet to the E
53	0107002	BRONX RIVER	BRONX RIVER	2250 feet to the ENE
54	0101464	TM1014	HONEYWELL AVE & E180 ST	2310 feet to the NNE
55	0008940	QUALITY MILL WORK CORP	425 DEVOE AVE	2354 feet to the ENE
56	9903847		EAST 180TH ST & BOSTON RD	2382 feet to the NE
57	0012070	VAULT 4146	E180TH ST/BOSTON RD	2382 feet to the NE
58	0012037	VAULT # 5016	E 180TH ST / BOSTON RD	2382 feet to the NE
59	0407179	X	1125 WYATT STREET	2436 feet to the E
60	9404172	BRONX RIVER HOUSING	1575 E. 174TH ST	2449 feet to the SE
61	9813244	MANHOLE 13383	E 180TH ST / CROTONA PKWY	2499 feet to the N
62	9902645	MANHOLE 979	EAST 176TH ST/CROTONA AV	2606 feet to the NW
63	9712051	1805 CROTONA AVE	X STREET E175TH STREET	2632 feet to the WNW
64	9600600	MURPHY HOUSING	1805 CROTONA AVE	2632 feet to the WNW

Closed Status Spills (Miscellaneous Spill Causes)

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
65	8906508	NYCTA	1801 BOSTN RD / E 175 ST	141 feet to the SW*
66	9514770	891 EAST 175TH STREET	891 EAST 175TH STREET	648 feet to the WNW
67	9512429	1773 VYSE AVE	1773 VYSE AVE	740 feet to the S
68	9108562	BOSTON RD & E 174TH ST	BOSTON RD & E 174TH ST	874 feet to the SW
69	0202108	LONGFELLOW AV	EAST 174TH ST	1111 feet to the SSE
70	9708091	NYFD ENGINE CO 45	925 EAST TREMONT AVE	1157 feet to the NNE
71	9711887	URBAN HOME OWNERSHIP	1700 CROTONA PARK EAST	1230 feet to the WSW
72	9711658	CORTYARD	1700 CROTONA PARK EAST	1230 feet to the WSW
73	9704040	1700 CROTONA PARK EAST	1700 CROTONA PARK EAST	1230 feet to the WSW
74	9605252	APT BUILDING	1700 CROTONA PARK EAST	1230 feet to the WSW
75	0209146		1700 CROTONA PK EAST	1230 feet to the WSW

76	8803270	COLISEUM DEPOT	1000 E TREMONT ST	1240 feet to the ENE
77	9213121	870 ELSMERE PL.	870 ELSMERE PL.	1241 feet to the NNW
78	9810642		1010 EAST TREMONT AVENUE	1291 feet to the ENE
79	9312169	CROSS BX EPWY/SHERIDAN EX	CROSS BX EXPWY/SHERIDAN E	1489 feet to the ESE
80	8803217	MTA BUS DEPOT	1100 E 177 ST	2116 feet to the E
81	8904140	MINFORD PL &EAST 172ND ST	MINFORD PL / E 172ND ST	2239 feet to the SW
82	8605475	AMTRAK	174 ST BRONX RIVER AVE	2420 feet to the SE
83	9612598	BRONX RIVER HOUSES	1575 EAST 174TH STREET	2449 feet to the SE
84	9513836	MURPHY CONSOLIDATED	1805 CROTONA AVE	2632 feet to the WNW

Petroleum Bulk Storage Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
85	2-190063	WEST FARMS DEPOT	1811 BOSTON ROAD	92 feet to the SW*
86	2-244252	APT HOUSE	1838 VYSE AVE	266 feet to the SE
87	2-108030	MONTEFIORE CENTRAL LAUNDRY	1776 HOE AVENUE	436 feet to the SSW
88	2-160881	APT HOUSE	1806 VYSE AVE	481 feet to the S
89	2-468010	RTP MANAGEMENT CORPORATION	1796 VYSE AVENUE	561 feet to the S
90	2-481386	1796 VSYE AVENUE	1796 VYSE AVENUE	561 feet to the S
91	2-292664	AMOCO SERVICE STATION #60024	1776 SOUTHERN BLVD	599 feet to the SW
92	2-600249	1890 CROTONA PARKWAY	1890 CROTONA PARKWAY	635 feet to the N
93	2-374725	ST THOMAS AQUINAS SCHOOL	1909 DALY AVE	708 feet to the NNE
94	2-288535	ST THOMAS AQUINAS CHURCH	1900 CROTONA PKWY	722 feet to the N
95	2-201693	APT HOUSE 1773 VYSE AVE	1773 VYSE AVE	743 feet to the S
96	2-202959	APT HOWE 1769 VYSE AVE	1769 VYSE AVE	777 feet to the S
97	2-468479	1816 CROTONA PARK EAST	1816 CROTONA PARK EAST	792 feet to the WSW
98	2-468673	895 FAIRMOUNT PLACE	895 FAIRMOUNT PLACE	824 feet to the N
99	2-469270	940 EAST 174TH STREET	940 EAST 174TH STREET	852 feet to the SSW
100	2-481378	940 EAST 174TH STREET	940 EAST 174TH STREET	852 feet to the SSW
101	2-605689	897 CROTONA PARK NORTH	897 CROTONA PARK NORTH	865 feet to the W
102	2-605718	CROTONA TRANSITIONAL RESIDENCE	897 CROTONA PARK NORTH	865 feet to the W
103	2-605557	1898 LONGFELLOW HDFC	1898 LONGFELLOW AVENUE	894 feet to the E
104	2-605232	NSDP ASSOC. LLC	920 EAST 174TH STREET	894 feet to the SW
105	2-267910	APT HOUSE	1933 DALY AVE	895 feet to the NNE
106	2-161233	APT HOUSE	922 ELSMERE PLACE	912 feet to the N
107	2-468215	1922 CROTONA PARKWAY	1922 CROTONA PARKWAY	924 feet to the N
108	2-084646	GOOD O'BEVERAGE COMPANY	1801 BOONE AVE	926 feet to the SE
109	2-293652	DAMA ASSOC	1915 SOUTHERN BLVD	926 feet to the N
110	2-234559	985 EAST 174TH ST	985 EAST 174TH ST	970 feet to the S
111	2-480789	1950 BRYANT AVENUE	1950 BRYANT AVENUE	1023 feet to the ENE
112	2-235490	TINY FIESTA REALTY	1950 DALY AVENUE	1043 feet to the NNE
113	2-110345	CROTONA VI REDEVELOPMENT CO	1695 HOE AVE	1091 feet to the SSW
114	2-601294	H.P.D.	1003-05 EAST 174TH STREET	1114 feet to the SSE
115	2-320846	1687 HOE AVE	1687 HOE AVE	1124 feet to the SSW
116	2-150754	M B D II ASSO	1717 VYSE AVE	1132 feet to the SSW
117	2-155071	M B D III ASOC	1717 VYSE AVE	1132 feet to the SSW
118	2-601791	ENGINE 45 / LADDER 58	925 EAST TREMONT AVENUE	1149 feet to the NNE
119	2-399523	846 E 175TH ST	846 E 175 ST	1189 feet to the WNW
120	2-469637	1941 SOUTHERN BOULEVARD	1941 SOUTHERN BOULEVARD	1196 feet to the N
121	2-600257	1715-17 BRYANT AVENUE	1715-17 BRYANT AVENUE	1203 feet to the S
122	2-473545	MURPHY CONSOLIDATED	1700 HOE AVENUE	1210 feet to the SSW
123	2-467944	1809 MARMION AVENUE	1809 MARMION AVENUE	1233 feet to the WNW
124	2-469025	1801 MARMION AVENUE	1801 MARMION AV	1241 feet to the WNW
125	2-606244	PUBLIC SCHOOL 6	1000 EAST TREMONT AVENUE	1245 feet to the ENE

126	2-190349	COLISEUM BUS DEPOT	1000 EAST TREMONT AVE	1245 feet to the ENE
127	2-332836	3092 REALTY CORPORATION	1956 CROTONA PKY	1252 feet to the N
128	2-468223	1956 CROTONA PARKWAY	1956 CROTONA PARKWAY	1252 feet to the N
129	2-352314	I.S. 167	1970 WEST FARMS ROAD	1252 feet to the E
130	2-473537	MURPHY CONSOLIDATED	1705 BRYANT AVENUE	1264 feet to the S
131	2-145084	BOSTON ROAD HDFC INC	1681 BOSTON ROAD	1280 feet to the SW
132	2-237418	ELGATE	866 ELSMERE PL	1280 feet to the NNW
133	2-328383	1016 EAST 174TH STREET	1016 EAST 174TH STREET	1285 feet to the SSE
134	2-152773	MBD II ASSO	1693 VYSE AVE	1296 feet to the SSW
135	2-289515	1010 E TREMONT REALTY CORP	1010 E TREMONT AVE	1296 feet to the ENE
136	2-606829	1674 BOSTON ROAD	1674 BOSTON RD	1316 feet to the SW

Hazardous Waste Generators, Transporters

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
137	NYD980642367	NYCDOT - WEST FARMS DEPOT	1801-1825 BOSTON RD	0 feet
138	NYD986925741	ARTHUR FRISCH COMPANY INCORPORATED	1816 BOSTON POST ROAD	202 feet to the SSW
139	NYP004005955	CONSOLIDATED EDISON	V 1633 - 1816 BOSTON RD	202 feet to the SSW
140	NYR000110999	WEST NEW YORK RESTORATION INC	1797 VYSE AVE	534 feet to the S
141	NYD986963098	BRONXVILLE SCHOOL	177 PONDFIELD RD	603 feet to the SW
142	NYD986258903	HILLS CLEANERS	985 EAST 174TH STREET	970 feet to the S
143	NYD064953441	CLEAN BRIGHT CLEANERS	1899 WEST FARMS ROAD	1118 feet to the ESE
144	NYD987014701	DOVER CLEANERS	1701 BOSTON RD	1166 feet to the SW
145	NYR000009415	NYC BOARD OF EDUCATION - PS 6	1000 E TREMONT AVENUE	1245 feet to the ENE
146	NYR000021980	PUBLIC SCHOOL IS 167X	1970 W FARM RD	1252 feet to the E
147	NYR000082438	INTERSTATE TRANSPORT INC	1010 E TREMONT AVE	1296 feet to the ENE

Toxic Release Inventory Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
148	10460RTHRF1816B	ARTHUR FRISCH CO. INC.	1816 BOSTON RD.	204 feet to the SSW

Air Discharge Sites

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
149	36005N0002	ARTHUR FRISCH CO INC	1816 BOSTON ROAD	204 feet to the SSW
150	NY005X0NP	ARTHUR FRISCH CO INC.	1816 BOSTON ROAD	204 feet to the SSW
151	36005P000N	ATLANTIC ROLLING STEEL DOOR CORP.	1903 WEST FARMS ROAD	1130 feet to the ESE
152	3600500424	DOVER CLEANERS	1703 BOSTON ROAD	1154 feet to the SW

Toxics Targeting
1 Mile Radius Map

1825 Boston Rd

Bronx, NY 10460

Bronx County

- NPL, CERCLIS, NYSDEC Inactive Hazardous Waste Disposal Registry or Registry Qualifying Site
- Hazardous Waste Treater, Storer, Disposer
- RCRA Corrective Action Facility
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Major Oil Storage Facility
- Brownfields Site

- Site Location
- Waterbody
- Minor Roads
- Major Roads
- County Border
- Expressways
- Railroad Tracks
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- 1/8 Mile Radius

1825 Boston Rd

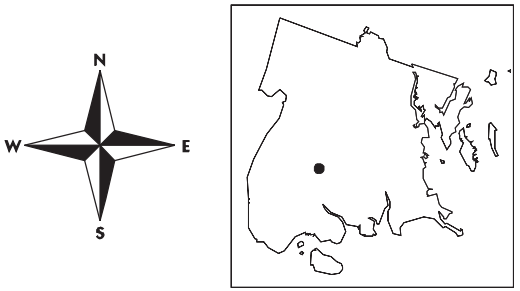
1 0 1/8 1/4 1/2 1

Distance in Miles

Toxics Targeting
1/2 Mile Radius Map

1825 Boston Rd

Bronx, NY 10460



1825 Boston Rd

Hazardous Material Spill

Site Location

Waterbody

Minor Roads

Major Roads

Expressways

1 Mile Radius

1/4 Mile Radius

County Border

Railroad Tracks

1/2 Mile Radius

1/8 Mile Radius

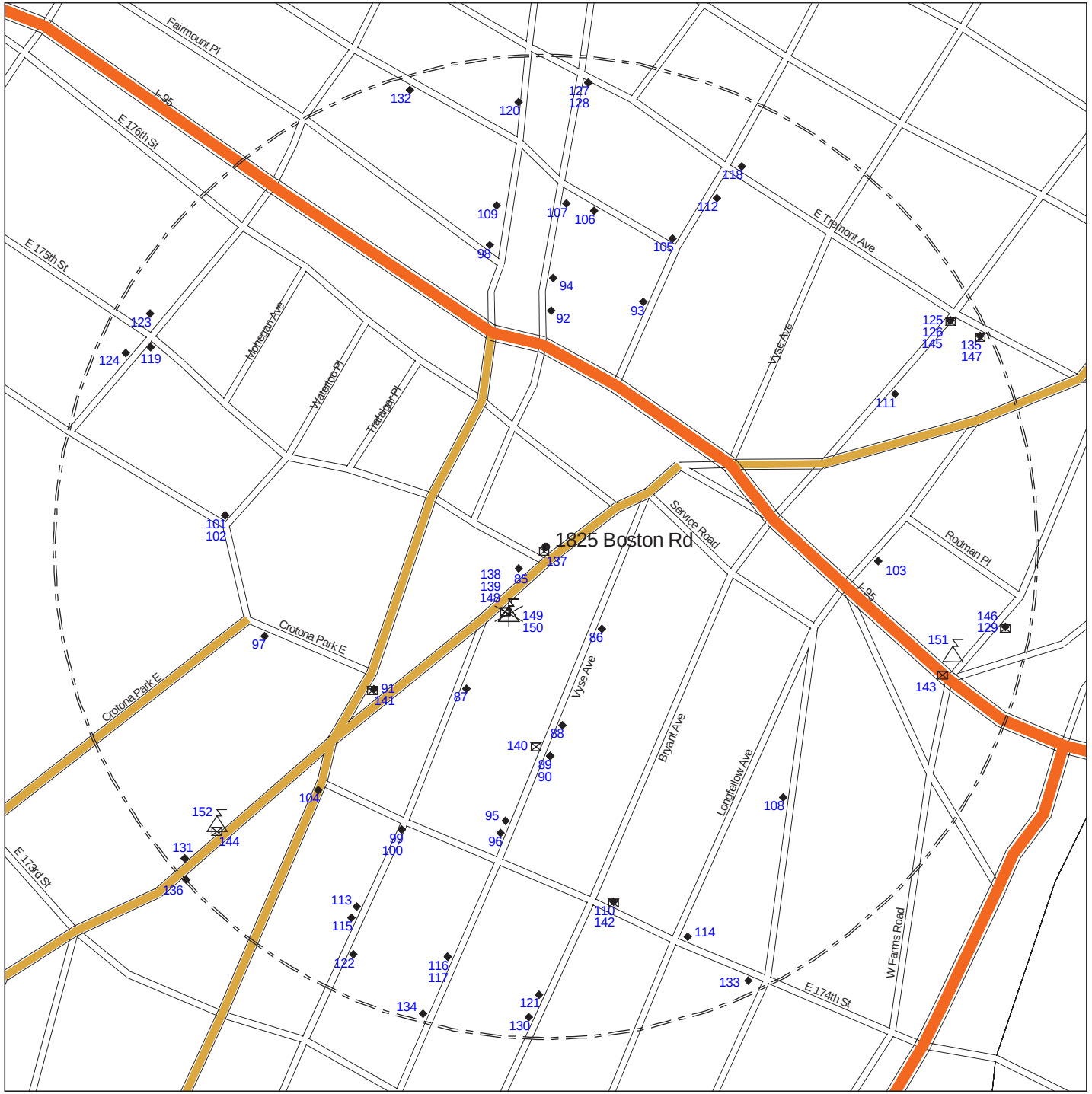
1/2 0 1/16 1/8 1/4 1/2

Distance in Miles

Toxics Targeting
1/4 Mile Radius Map

1825 Boston Rd

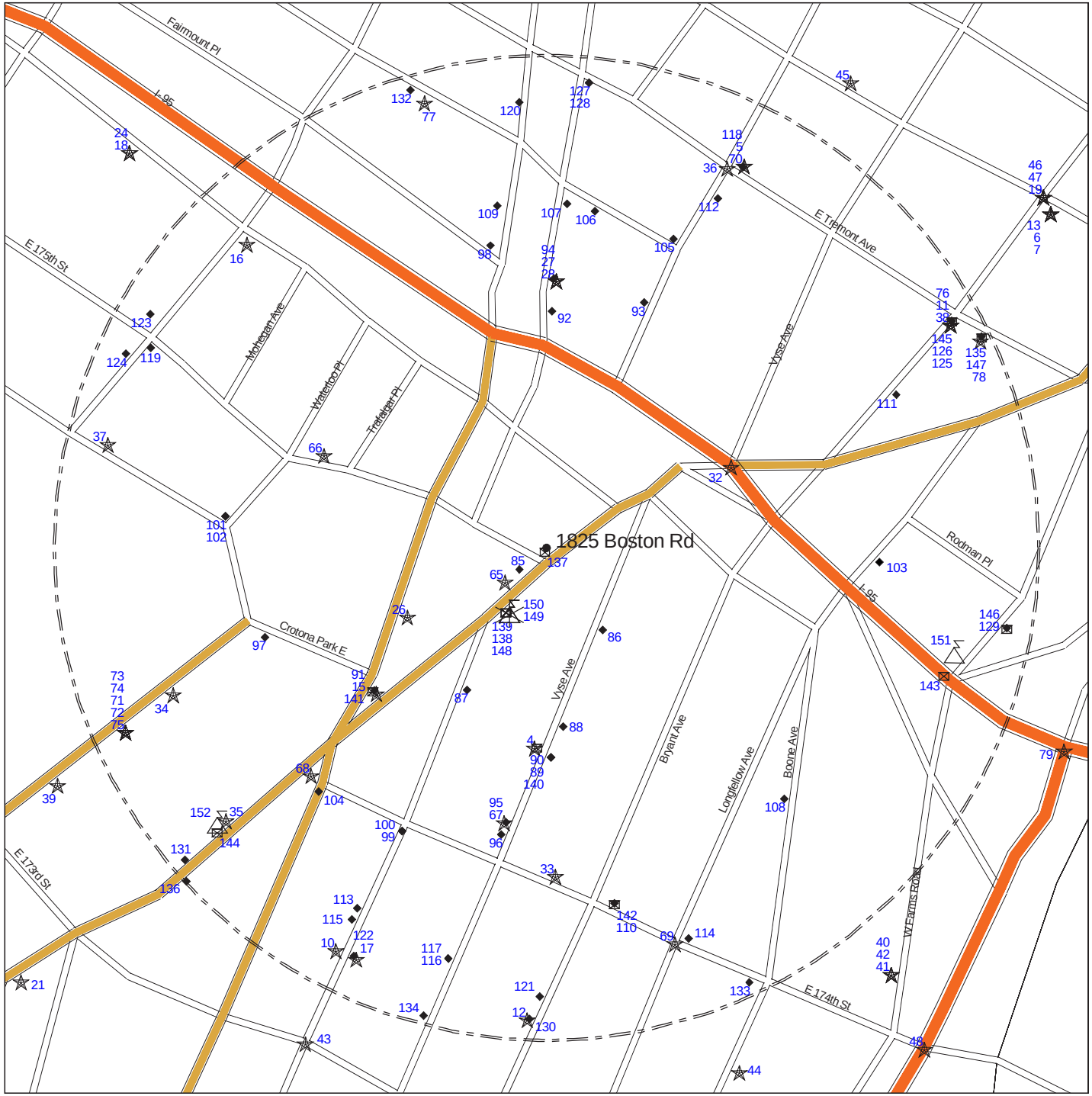
Bronx, NY 10460



Bronx County

- Chemical Storage Facility
- Air Release
- Toxic Release
- Enforcement Docket Facility
- Wastewater Discharge
- Petroleum Bulk Storage Facility
- Hazardous Waste Generator, Transp.
- Historic Utility Site

- Site Location
- Waterbody
- Minor Roads
- Major Roads
- County Border
- Expressways
- Railroad Tracks
- 1/4 Mile Radius
- 1/8 Mile Radius



Toxics Targeting
1/4 Mile Closeup Map

1825 Boston Rd

Bronx, NY 10460

Bronx County

- NPL, CERCLIS, NYSDEC Inactive Hazardous Waste Disposal Registry or Registry Qualifying Site *
- Hazardous Waste Treater, Storer, Disposer *
- RCRA Corrective Action Facility *
- Hazardous Substance Waste Disposal Site *
- Solid Waste Facility *
- Major Oil Storage Facility *
- Brownfields Site *
- Chemical Storage Facility ***
- Hazardous Material Spill **
- Toxic Release ***
- Wastewater Discharge ***
- Petroleum Bulk Storage Facility ***
- Hazardous Waste Generator, Transp. ***
- Historic Utility Site ***
- Enforcement Docket Facility ***
- Air Release ***
- Site Location
- Waterbody
- Minor Roads
- Major Roads
- County Border
- Expressways
- Railroad Tracks
- 1/4 Mile Radius
- 1/8 Mile Radius

1/4 0 1/8 1/4

Distance in Miles

* 1 Mile Search Radius

** 1/2 Mile Search Radius

*** 1/4 Mile Search Radius

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see ***How Sites are Located***, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites (A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity**: Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity**: The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity**: The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive toxicity**: May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant**: The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level** (MCL) listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;

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

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

4 -- Site properly closed --requires continued management;

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

2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

$D_{1, 2, 3}$ -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)

**** NO NPL, CERCLIS, INACTIVE HAZARDOUS WASTE REGISTRY SITES AND/OR REGISTRY QUALIFYING SITES ****
**** IDENTIFIED WITHIN 1 MILE SEARCH RADIUS ****

**** NO HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS ****

**** BROWNFIELDS SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS ****

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1 **CE - E. 173RD ST. - BRONX WORKS** **Facility Id: V00552**
WEST FARMS RD.& BRONX RIVER BRONX , NY 10460

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (5)
Approximate distance from property: 1941 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: W FARMS RD / BRONX RIVER BRONX
Revised zip code: NO CHANGE

Brownfield Program: Voluntary Cleanup Program

Volunteer: CONSOLIDATED EDISON C

Map Identification Number 2 **CE - E. 175TH ST. STATION** **Facility Id: V00556**
1815 - 1845 WEBSTER AVE. BRONX, NY 10457

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 5244 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Brownfield Program: Voluntary Cleanup Program

Volunteer: CONSOLIDATED EDISON C

**** SOLID WASTE FACILITIES IDENTIFIED WITHIN THE 1 MILE SEARCH RADIUS ****

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

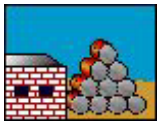
Map Identification Number 3 **DELMA CONSTRUCTION CO INC** **Facility Id: 03W77**
NO ADDRESS INFORMATION PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 3035 feet to the E

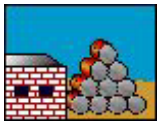
ADDRESS CHANGE INFORMATION
Revised street: 1208 WYATT ST
Revised zip code: 10460

PERMIT NUMBER	PERMIT EXPIRES	FACILITY TYPE	FACILITY STATUS	WASTE TYPES
		C&D PROCESSING FACILITY	Registered	Concrete, Asphalt, Brick, Soil, Rock

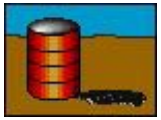
**** NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1 MILE SEARCH RADIUS ****



**** NO HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1 MILE SEARCH RADIUS ****



**** NO RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS ****



HAZARDOUS MATERIAL SPILLS INTRODUCTION

The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

Active Spills Section: Spills with incomplete paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

1) Tank Failures
2) Tank Test Failures
3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
4) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

5) Tank Failures
6) Tank Test Failures
7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
8) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

All spills within each spill cause category are presented in order of proximity to the subject site address.

Please note that spills reported within 0.25 mile (or one-eighth mile in Manhattan) are mapped and profiled.

Between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile, only the following spills are mapped and profiled:

* Tank Failures;

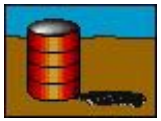
* Tank Test Failures;

* Unknown Spill Cause or Other Spill Cause;

* Spills greater than 100 units of quantity; and

* Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellanous Spills with less than 100 units located between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.



ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Site profiles in this report section contain 36 data fields of information obtained from the New York Department of Environmental Conservation. Since 1/1/02, the DEC has only released information for 12 of those data fields: spill name, address components, spill date, close date, material spilled, quantity spilled, units, cause of spill and resource affected. As a result, the other 24 data fields are only updated through 1/1/02. Please note that the "Meets Cleanup Standards" status for individual spills could have changed since that time.

Map Identification Number 4 **UNKNOWN** **Spill Number: 0112238** **Close Date:**
1797 VYSE AV
BRONX, NY NO ZIP PROVIDED
Information updated through: 02/07/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 532 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
03/28/2002	GASOLINE	0.00	GALLONS	NO	TANK FAILURE	SOIL

Map Identification Number 5 **ENGINE CO. 045/LADD. CO. 58 FDNY -DDC** **Spill Number: 9710038** **Close Date:**
925 EAST TREEMONT AV
BRONX, NY NO ZIP PROVIDED
**Information updated through: 02/17/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1157 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: 925 EAST TREMONT AV
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: OTHER
Caller Name: MIKE BYRNE
DEC Investigator: ZHITOMIRSKY
Spiller: NEW YORK CITY - FDNY
Notifier Name: MIKE BYRNE
Caller Agency: URS GREINER
Contact for more spill info: TONY MARINO
Spiller Phone:
Notifier Phone: (716) 856-5636
Caller Phone: (716) 856-5636
Contact Person Phone: (718) 391-1062

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
12/01/1997		TANK FAILURE	SOIL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
DIESEL	UNKNOWN	0	GALLONS	NO	0	GALLONS	NO

Caller Remarks: POSS LEAK FROM AN UNDERGROUND STORAGE TANK - RESULTS FROM SOIL SAMPLES CAME BACK THIS AM

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 6 **MURPHY HOUSES** **Spill Number: 0001287** **Close Date:**
1010 EAST 178TH ST BRONX, NY NO ZIP PROVIDED
**Information updated through: 02/17/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1624 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: MURPHY HOUSES Spiller Phone: (212) 306-3229
Notifier Type: RESPONSIBLE PARTY Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: SACCACIO Contact for more spill info: LEWIS PONCE Contact Person Phone: (212) 306-3229

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Resource Affected	Meets Cleanup Standards	Penalty Recommended
05/02/2000		TANK FAILURE	2-473618	SOIL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	UNKNOWN	0	GALLONS	NO	0	GALLONS	NO

Caller Remarks: during tank removal soil contamination discovered

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 7 **Spill Number: 0001240** **Close Date:**
1010 E 178TH ST BRONX, NY NO ZIP PROVIDED
**Information updated through: 02/13/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1624 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING | Spiller: NYC HOUSING AUTH | Spiller Phone: (212) 306-8480
Notifier Type: LOCAL AGENCY | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: SACCACIO | Contact for more spill info: DECLAN POWER | Contact Person Phone: (718) 378-7000

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
05/01/2000		TANK FAILURE	SOIL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	UNKNOWN	0	GALLONS	NO	0	GALLONS	NO

Caller Remarks: contaminated soil only - tank removed - unk when it occurred

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 8 **Spill Number: 0207061** **Close Date:**
1555 SEABURY PLACE BRONX, NY NO ZIP PROVIDED
Information updated through: 02/07/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1914 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
10/08/2002	#4 FUEL OIL	1000	GALLONS	NO	TANK FAILURE	SOIL

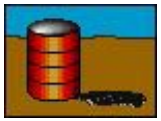
Map Identification Number 9 **PRG PACKING** **Spill Number: 0307241** **Close Date:**
1560 BOONE AVE BRONX, NY NO ZIP PROVIDED
Information updated through: 02/16/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2207 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
10/09/2003	#2 FUEL OIL	0.00	GALLONS	NO	TANK FAILURE	SOIL



ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Site profiles in this report section contain 36 data fields of information obtained from the New York Department of Environmental Conservation. Since 1/1/02, the DEC has only released information for 12 of those data fields: spill name, address components, spill date, close date, material spilled, quantity spilled, units, cause of spill and resource affected. As a result, the other 24 data fields are only updated through 1/1/02. Please note that the "Meets Cleanup Standards" status for individual spills could have changed since that time.

Map Identification Number 10 **Spill Number: 0104700** **Close Date:**

1665 HOE AV BRONX, NY NO ZIP PROVIDED

**Information updated through: 02/10/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1214 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: TANK TESTER
Caller Name:
DEC Investigator: ROMMEL

Spiller: MADISON AV CLUB
Notifier Name:
Caller Agency:
Contact for more spill info: CEDERIC DEW

Spiller Phone: (718) 328-3900
Notifier Phone:
Caller Phone:
Contact Person Phone: (718) 328-3900

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Resource Affected	Meets Cleanup Standards	Penalty Recommended
08/01/2001		TANK TEST FAILURE	2-607913	SOIL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	UNKNOWN	0	GALLONS	NO	0	GALLONS	NO

Caller Remarks: no comments

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 11 **COLISEUM DEPOT** **Spill Number: 8904868** **Close Date:**

1000 EAST TREMONT AVE BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/30/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1240 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: NYCT | Spiller Phone:
Notifier Type: TANK TESTER | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: TIBBE | Contact for more spill info: | Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Resource Affected	Meets Cleanup Standards	Penalty Recommended
08/16/1989		TANK TEST FAILURE	2-190349	GROUNDWATER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	UNKNOWN	0	GALLONS	NO	0	GALLONS	NO

Caller Remarks: noticed visual leak in fill box. will repair.

DEC Investigator Remarks:

transfered from Hale to Tibbe on 12/27/00.
tanks removed. final investigation after depot reconstruction. see also 89-05782.

** See beginning of spills section for more details.

Map Identification Number 12 **MURPHY CONSOLIDATED** **Spill Number: 9811582** **Close Date:**
1705 BRYANT AVE BRONX, NY NO ZIP PROVIDED
**Information updated through: 02/14/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1261 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: NYC HOUSING AUTHORITY | Spiller Phone:
Notifier Type: RESPONSIBLE PARTY | Notifier Name: SEBASTIAN LOREFICE | Notifier Phone: (212) 306-3229
Caller Name: SEBASTIAN LOREFICE | Caller Agency: NEW YORK CITY HOUSING AUT | Caller Phone: (212) 306-3229
DEC Investigator: SACCACIO | Contact for more spill info: FRANK OCELLO | Contact Person Phone: (212) 306-3229

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
12/15/1998		TANK TEST FAILURE	SOIL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	UNKNOWN	0	GALLONS	NO	0	GALLONS	NO

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	7500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks: WILL ISOLATE AND RE-TEST

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 13 **MURPHY CONSOLIDATED** **Spill Number: 9502246** **Close Date:**
1010 EAST 178TH STREET BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/31/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1624 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: NYC HOUSING AUTHORITY Spiller Phone: (212) 306-3142
Notifier Type: TANK TESTER Notifier Name: Notifier Phone:
Caller Name: SEBASTIAN LORIFICE Caller Agency: NYC HOUSING AUTHORITY Caller Phone: (212) 306-3233
DEC Investigator: SACCACIO Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
05/23/1995		TANK TEST FAILURE	SOIL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	UNKNOWN	-1.00	GALLONS	NO	0.00	GALLONS	NO

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN

Caller Remarks: GROSS FAILURE - TANK # 1

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 14 **BRONX RIVER HOUSES** **Spill Number: 9412464** **Close Date:**
1575 EAST 174TH STREET BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/31/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2449 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: NYC HOUSING AUTHORITY
Spiller Phone: (212) 306-3142
Notifier Type: TANK TESTER
Notifier Name:
Notifier Phone:
Caller Name: MARIO MANDALONE
Caller Agency: NYC HOUSING AUTHORITY
Caller Phone: (212) 306-3142
DEC Investigator: SACCACIO
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
12/16/1994		TANK TEST FAILURE	SOIL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	UNKNOWN	-1.00	GALLONS	NO	0.00	GALLONS	NO

TANK TEST INFORMATION

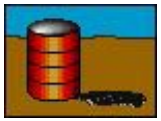
Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN

Caller Remarks: GROSS FAILURE - COULD NOT MAINTAIN LEVEL

DEC Investigator Remarks:

10/10/95: This is additional information about material spilled from the translation of the old spill file: TTF.

** See beginning of spills section for more details.



ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Site profiles in this report section contain 36 data fields of information obtained from the New York Department of Environmental Conservation. Since 1/1/02, the DEC has only released information for 12 of those data fields: spill name, address components, spill date, close date, material spilled, quantity spilled, units, cause of spill and resource affected. As a result, the other 24 data fields are only updated through 1/1/02. Please note that the "Meets Cleanup Standards" status for individual spills could have changed since that time.

Map Identification Number 15 **AMOCO** **Spill Number: 0212264** **Close Date:**
1776 SOUTHERN BLVD
BRONX, NY NO ZIP PROVIDED
Information updated through: 02/11/2005

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 597 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10460

Source of Spill: GASOLINE STATION

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
03/12/2003	GASOLINE	0.00	GALLONS	NO	UNKNOWN	GROUNDWATER

Map Identification Number 16 **VACANT AREA** **Spill Number: 0404308** **Close Date:**
844 EAST 176 STREET
VINEYARD PLACE, NY NO ZIP PROVIDED
Information updated through: 02/25/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1147 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 844 E 176TH ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
07/22/2004	MOTOR OIL	0.00	POUNDS	NO	UNKNOWN	SOIL
	TRANSMISSION FLUID	0.00	POUNDS	NO		

Map Identification Number 17 **MURPHY CONSOLIDATED** **Spill Number: 9008873** **Close Date:**
1700 HULL AVENUE NEW YORK CITY, NY NO ZIP PROVIDED
**Information updated through: 01/30/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1210 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 1700 HOE AV
Revised zip code: 10460

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: NYCHA Spiller Phone:
Notifier Type: RESPONSIBLE PARTY Notifier Name: Notifier Phone:
Caller Name: RICHARD MEVILLE Caller Agency: NYCHA Caller Phone: (212) 306-3229
DEC Investigator: SACCACIO Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
11/13/1990		UNKNOWN	SOIL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	UNKNOWN	10.00	GALLONS	NO	0.00	GALLONS	NO

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks: POSSIBLE CRACK IN FILL BOX, SPILL CONTAINED & CLEANED UP.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 18 **BRONX EAST 06A DOS -DDC** **Spill Number: 0406550** **Close Date:**
800 EAST 176TH STREET NEW YORK, NY NO ZIP PROVIDED
Information updated through: 02/25/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1544 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
09/14/2004	DIESEL	0.00	POUNDS	NO	UNKNOWN	SOIL
	DIESEL	0.00	POUNDS	NO		

Map Identification Number 19 **TRANFORMER MANHOLE #2952** **Spill Number: 0310626** **Close Date:**
178TH/BRYANT AVE BRONX, NY NO ZIP PROVIDED
Information updated through: 02/12/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1633 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: E 178TH ST / BRYANT AV
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
12/15/2003	UNKNOWN PETROLEUM	2.00	POUNDS	NO	UNKNOWN	SURFACE WATER

Map Identification Number 20 **PUBLIC SCHOOL 67** **Spill Number: 9909019** **Close Date:**
2024 MOHEGAN AV BRONX, NY NO ZIP PROVIDED
**Information updated through: 02/10/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1760 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: FIRE DEPARTMENT
Caller Name: CHIEF INSP POLCHA
DEC Investigator: SIGONA
Spiller:
Notifier Name: FIELD INSP. CONNOLLY
Caller Agency: FDNY
Contact for more spill info:
Spiller Phone:
Notifier Phone: ( ) -
Caller Phone: (718) 999-2533
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
06/23/1999		UNKNOWN	SOIL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	UNKNOWN	0	GALLONS	NO	0	GALLONS	NO

Caller Remarks: 2 TANKS LEAKING FUEL OIL - SIZES ARE : 5000 & 10,000GAL - UNK IF THEY HAVE BEEN TESTED

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 21 **1624 BOSTON RD** **Spill Number: 9707749** **Close Date:**
1624 BOSTON RD BRONX, NY NO ZIP PROVIDED
**Information updated through: 02/10/2005

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1823 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10460

Source of Spill: GASOLINE STATION Spiller: Spiller Phone:
Notifier Type: OTHER Notifier Name: Notifier Phone:
Caller Name: PETER DIGRAZIA Caller Agency: MAIN ELMSFORD CORP Caller Phone: (914) 632-2818
DEC Investigator: TIBBE Contact for more spill info: TANIR GAYR Contact Person Phone: (718) 328-0118

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;UNABLE/UNWILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
10/01/1997		OTHER	SOIL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
GASOLINE	UNKNOWN	0	GALLONS	NO	0	GALLONS	NO

Caller Remarks: CALLER STATES HE IS REMOVING TANKS FROM GASOLINE STATION AND HAS NOTICED AN ODOR OF GASOLINE. CALLER STATES THERE IS NOT A SPILL.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 22 **UNDERGROUND TRANSFORMER** **Spill Number: 9712148** **Close Date:**
1565 WEST FARMS RD BRONX, NY NO ZIP PROVIDED
**Information updated through: 02/13/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2268 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: UNK | Spiller Phone:
Notifier Type: AFFECTED PERSONS | Notifier Name: STEVE ROMERO | Notifier Phone: (212) 580-6763
Caller Name: STEVE ROMERO | Caller Agency: CON ED | Caller Phone: (212) 580-6763
DEC Investigator: ENGELHARDT | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;UNKNOWN RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
01/30/1998		UNKNOWN	IN SEWER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN MATERIAL	UNKNOWN	525.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: unk material has entered the a underground transformer material seems to be comming from under a garage door that belongs to ferris stahl meyer packing corp. at 1560 boom ave bronx owner of that business has benn contacted by caller but has not responded to scene spill is contained in the vs

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 23 **Spill Number: 0104638** **Close Date:**

716 FAIRMOUNT PLACE BRONX, NY NO ZIP PROVIDED

**Information updated through: 02/10/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2464 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: | Spiller Phone:
Notifier Type: OTHER | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: SIGONA | Contact for more spill info: HOWARD MORGAN | Contact Person Phone: (914) 375-2555

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
07/30/2001		UNKNOWN	SOIL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	UNKNOWN	0	GALLONS	NO	0	GALLONS	NO

Caller Remarks: CALLER WAS EXCAVATING AT LOCATION FOR FOUNDATION AND ENCOUNTERED CONTAMINATED SOIL. LOT WAS APT BUILDING AT ONE TIME

DEC Investigator Remarks:

On July 31st, 2001, DEC (Zhao & Rossan) investigated a report of petroleum contaminated soil discovered at 716 Fairmont Place, Bronx. Contamninated soils were found on corner of property under location of former bulding foundation.

NYS Office of Alcohol and Substance Abuse ("OASIS") is funding the construction of a 35 room facility on a one acre site (2 City Blocks) at 716 Fairmont Place, Bronx. The facility is being built by NYS Dormitory Authority on a vacant lot sold to VIP Community Service by HPD. The lot contained only foundations from former row houses and a line of basements.

On July 31th, 2001, DEC was notified of petroleum contamination at approximately 10-20 feet below grade under a former basement and infront of a former building. NYS OASIS paid for a Phase I & II before they obtained the property and did not find any contamination.

According to NYS OASIS, HPD provided an agreement that they would be held harmless if any contamination was found on the property.

DEC Sigona contacted Luiz Aragan (212)863-7207 Assist. Commissioner Tech Mgmt as per your suggestion. With consulation from DEC Lodico, DEC Sigona requested information on the time period for when the property was transferred. Whether HPD knows if any USTs or ASTs existed on the property. DEC will also seek information on whether any contamination or Tanks were reported to NYS OASIS before the sale.

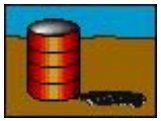
HPD told Sigona they would check it out and get back to DEC.

The NYS OASIS plans to determine the extent of contamination and clean it up to DEC standards. We plan to meet with NYS OASIS and possibly HPD to investigate the source of the contamination.

DEC Lodico contacted NYC Law Department and reported that Petroleum contamination has been reported at the above location. Currently, the site is a vacant lot, but previously was the location of row houses. DEC indicated that it was informed that HPD was the former owner of this site. PBS database contains no registration for this location.

DEC requested info on when HPD obtained title to this site and when it transferred title. Any and all information pertaining to petroleum storage tanks at the site has been requested.

** See beginning of spills section for more details.

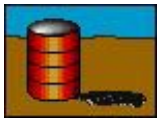


NO ACTIVE HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.

All spills mapped and profiled within 1/4 Mile. Between 1/4 Mile and 1/2 Mile, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/4 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
0005277	BRONX EAST 06A DOS -DDC	800 E 176TH STREET	BRONX
9810571	BRONX EAST 3A DOS -DDC	1661 WEST FARMS ROAD	BRONX
0314316	BRONX EAST 03A DOS -DDC	1661 WEST FARMS ROAD	BRONX
0011836	DOS BRONX EAST 3A GARAGE	1661 WEST FARMS RD	BRONX
9709555	FRANCE RESIDENCE	1828 CLINTON AVE	BRONX
9712189	MURPHY HOUSES -NYCHA	1805 CROTONA	BRONX
9712049	MURPHY HOUSES -NYCHA	1805 CROTONA AVE	BRONX



CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Site profiles in this report section contain 36 data fields of information obtained from the New York Department of Environmental Conservation. Since 1/1/02, the DEC has only released information for 12 of those data fields: spill name, address components, spill date, close date, material spilled, quantity spilled, units, cause of spill and resource affected. As a result, the other 24 data fields are only updated through 1/1/02. Please note that the "Meets Cleanup Standards" status for individual spills could have changed since that time.

Map Identification Number 24 **NYC DEPT SANATATION** **Spill Number: 0001795** **Close Date: 10/01/2003**
800 EAST 176TH ST B-6A BRONX, NY NO ZIP PROVIDED

**Information updated through: 08/03/2004

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1544 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 800 E 176TH ST
Revised zip code: 10460

Source of Spill: OTHER COMM/INDUSTRIAL Spiller: NYC DEPT SANATATION Spiller Phone:
Notifier Type: TANK TESTER Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: SANGESLAND/DEMEO Contact for more spill info: N/A Contact Person Phone: ( ) -

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
05/11/2000		TANK FAILURE	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
HYDRAULIC OIL	UNKNOWN	0	GALLONS	NO	0	GALLONS	NO

Caller Remarks: TANK 1 CONTAINED HYDRAULIC OIL.THAT FAILED THE TEST. TANK 2 CONTAINED MOTOR OIL.THAT FAILED THE TEST ALSO.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 25 **PROSPECT CLEANERS** **Spill Number: 0312947** **Close Date: 03/08/2004**
1976 PROSPECT AVE BRONX, NY NO ZIP PROVIDED

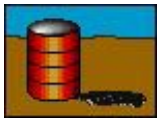
Information updated through: 02/26/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2281 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
02/24/2004	#2 FUEL OIL	150.00	GALLONS	NO	TANK FAILURE	IN SEWER



CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Site profiles in this report section contain 36 data fields of information obtained from the New York Department of Environmental Conservation. Since 1/1/02, the DEC has only released information for 12 of those data fields: spill name, address components, spill date, close date, material spilled, quantity spilled, units, cause of spill and resource affected. As a result, the other 24 data fields are only updated through 1/1/02. Please note that the "Meets Cleanup Standards" status for individual spills could have changed since that time.

Map Identification Number 26 **18-30 SOUTHERN BLVD** **Spill Number: 8904473** **Close Date: 09/30/1992**
18-30 SOUTHERN BLVD NEW YORK CITY, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 415 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 1830 SOUTHERN BLVD
Revised zip code: 10460

Source of Spill: OTHER NON COMM/INSTITUTIONAL
Notifier Type: TANK TESTER
Caller Name: SEBASTIAN LOREFICE
DEC Investigator: BATTISTA

Spiller: NYC TRANSIT AUTHORITY
Notifier Name:
Caller Agency: TANK TESTING
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 789-3770
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
08/04/1989	09/30/1992	TANK TEST FAILURE	GROUNDWATER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	NO	0.00	UNKNOWN	NO

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		TANK TESTING METHOD NOT GIVEN IN DATA	0.00	UNKNOWN

Caller Remarks: 7.5K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK, COULDN'T STABILIZE, WILL EXCAVATE & INVESTIGATE.

DEC Investigator / / :
Remarks:

** See beginning of spills section for more details.

Map Identification Number 27 **1900 CROTONA PKWY/BRONX/S** **Spill Number: 8706923** **Close Date: 11/05/1993**
1900 CROTONA PARKWAY NEW YORK CITY, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 721 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER NON COMM/INSTITUTIONAL Spiller: ST. THOMAS AQUINAS Spiller Phone: (212) 589-5235
Notifier Type: TANK TESTER Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: BATTISTA Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Resource Affected	Meets Cleanup Standards	Penalty Recommended
11/13/1987	11/05/1993	TANK TEST FAILURE	2-288535	GROUNDWATER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	NO	0.00	UNKNOWN	NO

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		TANK TESTING METHOD NOT GIVEN IN DATA	0.00	UNKNOWN

Caller Remarks: 4K TANK WITH A HIGH VOLUME LEAK, WILL EXCAVATE, ISOLATE, AND RETEST. CONTACT: FR. CASELLA (212) 589-5235.

DEC Investigator Remarks:

11/05/93: QUANTUM HEATING SERVICES REMOVED TANK 8/88.

11/05/93: BAYSHORE ENVIRONMENTAL SERVICES REMOVED TANK 8/88.

** See beginning of spills section for more details.

Map Identification Number 28 **1900 CROTONA PKWY/ST.THOM** **Spill Number: 8706732** **Close Date: 11/05/1993**
1900 CROTONA PARKWAY NEW YORK CITY, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 721 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER NON COMM/INSTITUTIONAL Spiller: ST. THOMAS AQUINAS SCHOOL Spiller Phone: (212) 589-5235
Notifier Type: TANK TESTER Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: BATTISTA Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Resource Affected	Meets Cleanup Standards	Penalty Recommended
11/07/1987	11/05/1993	TANK TEST FAILURE	2-374725	GROUNDWATER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	NO	0.00	UNKNOWN	NO

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		TANK TESTING METHOD NOT GIVEN IN DATA	0.00	UNKNOWN

Caller Remarks: HIGH VOLUME LEAK, WILL EXCAVATE, ISOLATE AND RETEST. 5K TANK VISIBLE LEAK, NEVER FINISHED TESTING, CAP LINES AND RETEST.

DEC Investigator Remarks: 11/05/93: CHEMICAL WASTE MGT RETESTED AND PASSED 8/11/88.

** See beginning of spills section for more details.

Map Identification Number 29 **1100 E 177TH ST/BX** **Spill Number: 8905782** **Close Date: 12/27/2000**
1100 EAST 177TH STREET BRONX, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2116 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER COMM/INDUSTRIAL Spiller: NYC TRANSIT AUTH BUS DEPO Spiller Phone:
Notifier Type: TANK TESTER Notifier Name: Notifier Phone:
Caller Name: SEBASTIAN LOREFICE Caller Agency: TANK TESTING INC Caller Phone: (718) 789-3770
DEC Investigator: TIBBE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Resource Affected	Meets Cleanup Standards	Penalty Recommended
09/12/1989		TANK TEST FAILURE	2-190349	GROUNDWATER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	PETROLEUM	-1.00	POUNDS	NO	0.00	POUNDS	NO

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		TANK TESTING METHOD NOT GIVEN IN DATA	0.00	UNKNOWN

Caller Remarks: 20K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK, WILL ISOLATE & RETEST.

DEC Investigator Remarks:

11/15/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/15/94.
transfered from Hale to Tibbe on 12/27/00. refer to 89-04868. tanks removed. final investigation after depot reconstruction.

** See beginning of spills section for more details.

Map Identification Number 30 **MURPHY B** **Spill Number: 9402159** **Close Date: 04/06/2004**
1805 CROTONA AVENUE NEW YORK CITY, NY NO ZIP PROVIDED
**Information updated through: 01/30/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2632 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: NYC HOUSING AUTHORITY Spiller Phone: (212) 306-3142
Notifier Type: DEC Notifier Name: Notifier Phone:
Caller Name: JANE HEALY Caller Agency: NYSDEC Caller Phone: (718) 482-4933
DEC Investigator: SACCACIO Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
04/23/1992		TANK TEST FAILURE	SOIL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	UNKNOWN	-1.00	GALLONS	NO	0.00	GALLONS	NO

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		Unknown	0.00	UNKNOWN

Caller Remarks: INITIALLY REPORTED AS PASSED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 31 **MURPHY** **Spill Number: 9006683** **Close Date: 04/26/1995**
1805 CROTONA AVENUE NEW YORK CITY, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2632 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 1805 CROTONA AVE
Revised zip code: NO CHANGE

Source of Spill: OTHER COMM/INDUSTRIAL Spiller: NYCHA Spiller Phone: (212) 306-3152
Notifier Type: TANK TESTER Notifier Name: Notifier Phone:
Caller Name: SEBASTIAN LOREFICE Caller Agency: TANK TESTING INC Caller Phone: (718) 789-3770
DEC Investigator: HEALY Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Resource Affected	Meets Cleanup Standards	Penalty Recommended
09/18/1990	04/26/1995	TANK TEST FAILURE	2-473618	ON LAND	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	NO	0.00	UNKNOWN	NO

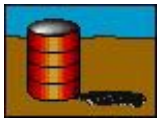
TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
001		TANK TESTING METHOD NOT GIVEN IN DATA	0.00	UNKNOWN

Caller Remarks: 20K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK, WILL EXCAVATE, ISOLATE & RETEST, VISUAL LEAK. SEE SPILL # 9402159

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.



CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Site profiles in this report section contain 36 data fields of information obtained from the New York Department of Environmental Conservation. Since 1/1/02, the DEC has only released information for 12 of those data fields: spill name, address components, spill date, close date, material spilled, quantity spilled, units, cause of spill and resource affected. As a result, the other 24 data fields are only updated through 1/1/02. Please note that the "Meets Cleanup Standards" status for individual spills could have changed since that time.

Map Identification Number 32 **CROSS BRONX EXPRESSWAY** **Spill Number: 0100717** **Close Date: 04/19/2001**
BOSTON POST RD OVERPASS BRONX, NY NO ZIP PROVIDED

**Information updated through: 02/10/2003

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 542 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER COMM/INDUSTRIAL
Notifier Type: RESPONSIBLE PARTY
Caller Name:
DEC Investigator: FOLEY

Spiller: CON ED
Notifier Name:
Caller Agency:
Contact for more spill info: JIMMY FOX

Spiller Phone: (212) 580-6763
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
04/19/2001		OTHER	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
ASBESTOS	UNKNOWN	1.00	POUNDS	NO	0.00	POUNDS	NO

Caller Remarks: cleanup being evaluated at this time

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 33 **NEW HORIZON RETAIL CENTER** **Spill Number: 0201730** **Close Date: 09/19/2002**
971 EAST 174TH ST BRONX, NY NO ZIP PROVIDED
Information updated through: 11/15/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 876 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
05/15/2002	UNKNOWN PETROLEUM	0.00	GALLONS	YES	UNKNOWN	ON LAND

Map Identification Number 34 **1714 CROTRONA PARK EAST** **Spill Number: 9814386** **Close Date: 09/14/1999**
1714 CROTRONA PARK EAST BRONX, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1074 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 1714 CROTONA PARK EAST
Revised zip code: 10460

Source of Spill: PRIVATE DWELLING
Notifier Type: CITIZEN
Caller Name: ALICE ISAACS
DEC Investigator: O'DOWD
Spiller: UNKNOWN
Notifier Name: ALICE ISAACS
Caller Agency: CITIZEN
Contact for more spill info: ALICE ISAACS
Spiller Phone:
Notifier Phone: (718) 991-0380
Caller Phone: (718) 991-0380
Contact Person Phone: (718) 991-0380

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
03/02/1999		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
RAW SEWAGE	NON-PETROLEUM/NON-HAZARDOUS	0	GALLONS	YES	0	GALLONS	YES

Caller Remarks: SMELL AND PRODUCT COMING FROM SEPTIC SYSTEM

DEC Investigator Remarks:

3/2/99 13:50 HRS SPOKE TO MARIA MEGHAN (SEE WORKS WITH ALICE. ALICE WENT TO COURT) AT A MGT. OFFICE FOR IRVING HOME. THERE ARE 3 SEPTIC TANKS IN THE MIDDLE OF ANOTHER BLDGS, NOT MANAGED BY THEM. SHE SAID THAT YOU CAN SEE THAT'S ITS LEAKING AND YOU CAN SMELL IT. GAVE HER DOH #(NYC) 212-442-3372 AND TO CHECK THE YELLOW PAGES FOR NYC DOH #.

** See beginning of spills section for more details.

Map Identification Number 35 **URBAN HOMES** **Spill Number: 9814307** **Close Date: 03/04/1999**
17-07/17-09 BOSTON ROAD BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1125 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 1707-1709 BOSTON ROAD
Revised zip code: 10460

Source of Spill: UNKNOWN
Notifier Type: AFFECTED PERSONS
Caller Name: JOSETTE HIBBERT
DEC Investigator: MULQUEEN

Spiller: HPD OWNED PROPERTY
Notifier Name: JOSETTE HIBBERT
Caller Agency: URBAN HOMES
Contact for more spill info:

Spiller Phone: ( ) -
Notifier Phone: (718) 892-7090
Caller Phone: (718) 991-0380
Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
02/28/1999		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
RAW SEWAGE	NON-PETROLEUM/NON-HAZARDOUS	0	GALLONS	YES	0	GALLONS	NO

Caller Remarks: SEWAGE STORAGE TANK IS LEAKING ONTO THE URBAN HOMES PROPERTY

DEC Investigator Remarks: DEP SENDING EMERGENCY SEWER CREW TO ASSESS.

** See beginning of spills section for more details.

Map Identification Number 36 **VAULT #1605** **Spill Number: 9904510** **Close Date: 04/04/2002**
DALY AVE/N TREMONT BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/02/2003

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1131 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: DALY AVE / EAST TREMONT AVE
Revised zip code: 10460

Source of Spill: OTHER COMM/INDUSTRIAL
Notifier Type: OTHER
Caller Name: RICHARD ROACHE
DEC Investigator: ENGELHARDT

Spiller: UNK
Notifier Name: RICHARD ROACHE
Caller Agency: CON ED
Contact for more spill info: RICHARD ROACHE

Spiller Phone: (000) 000-0000
Notifier Phone: (212) 580-6764
Caller Phone: (212) 580-6766
Contact Person Phone: (212) 580-6764

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
07/16/1999		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	UNKNOWN	1.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: sample taken-clean up pending results- con ed #126553

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 37 **Spill Number: 9907083** **Close Date: 02/19/2003**

853 CROTONA PARK NORTH BRONX, NY NO ZIP PROVIDED

**Information updated through: 12/15/2003

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1209 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: FIRE DEPARTMENT
Caller Name: FF DEROP
DEC Investigator: TOMASELLO

Spiller:
Notifier Name: BRONX DISPATCH
Caller Agency: FDNY - HAZMAT 1
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (917) 769-0483
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
09/14/1999		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	UNKNOWN	50.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: HAZMAT1 RESPONDING - 20 GAL IN BASEMENT - ABOUT 20 OUTSIDE - STILL LEAKING IN BASEMENT - SQ61 AND BATT 18 ON SCENE NOW

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 38 **COLISEUM DEPOT** **Spill Number: 9109910** **Close Date: 12/27/2000**
1000 E TREMONT AVE BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1240 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER NON COMM/INSTITUTIONAL
Notifier Type: LOCAL AGENCY
Caller Name: H MATZA
DEC Investigator: TIBBE

Spiller: NYCTA
Notifier Name:
Caller Agency: NYCTA
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 330-4581
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
12/17/1991		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
DIESEL	PETROLEUM	-1.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: LINE LEAK; SEEPING UP THRU CRACKED CONCRETE PAD.

DEC Investigator Remarks:

11/21/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/21/94.
transfered from Hale to Tibbe on 12/27/00. refer to 90-11026.
tanks removed. final investigation after depot reconstruction.

** See beginning of spills section for more details.

Map Identification Number 39 **RESIDENTIAL BLDG** **Spill Number: 0202887** **Close Date: 06/20/2002**
1680 CORTONA PARK EAST BRONX, NY NO ZIP PROVIDED

Information updated through: 11/13/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1455 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 1680 CROTONA PARK E
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
06/19/2002	#2 FUEL OIL	25.00	GALLONS	NO	OTHER	ON LAND

Map Identification Number 40 **1787 WEST FARMS ROAD** **Spill Number: 9501349** **Close Date: 05/21/1998**
1787 W. FARMS ROAD BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1466 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER COMM/INDUSTRIAL
Spiller: NYCDOS
Spiller Phone: (718) 542-3232
Notifier Type: OTHER
Notifier Name:
Notifier Phone:
Caller Name: WILLIAM FILONELL
Caller Agency: LEHRER, MCGOVERN, BOVIS
Caller Phone: (718) 937-3286
DEC Investigator: KRIMGOLD
Contact for more spill info:
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
05/02/1995		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
DIESEL	PETROLEUM	-1.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: DETECTED ODOR OF PAINT PRODUCT WHILE DOING A SITE EVALUATION.

DEC Investigator Remarks: See ISRP.

** See beginning of spills section for more details.

Map Identification Number 41 **NYCDOS BRONX EAST A** **Spill Number: 0485277** **Close Date: 12/07/2004**
1787 WEST FARMS ROAD NEW YORK, NY NO ZIP PROVIDED

Information updated through: 12/26/2004

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1466 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
12/07/2004	GASOLINE	0.00	POUNDS	NO	UNKNOWN	GROUNDWATER

Map Identification Number 42 **BRONX EAST A** **Spill Number: 0109268** **Close Date: 12/20/2001**
1787 WEST FARMS RD BRONX, NY NO ZIP PROVIDED

**Information updated through: 11/29/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1466 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: OTHER
Caller Name:
DEC Investigator: KRIMGOLD
Spiller: NY CITY SANITATION
Notifier Name:
Caller Agency:
Contact for more spill info: MIKE BYRNE
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (716) 882-5476

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
12/19/2001		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	UNKNOWN	0	GALLONS	YES	0	GALLONS	NO

Caller Remarks: CALLER STATES PRODUCT IS IN MONITORING WELL INVESTIGATION CONTINUING

DEC Investigator Remarks:

WRONG SPILL LOCATION REPORTED. THE PRODUCT IN WELLS WAS FOUND AT 1661 WEST FARM RD., WHICH IS AT THE BRONX 3A DOS GARAGE AND ALREADY HAS A SPILL # 9810571 ASSIGN TO IT.

** See beginning of spills section for more details.

Map Identification Number 43 **MANHOLE 8157** **Spill Number: 0101819** **Close Date: 06/19/2001**
173RD ST AND HOE AVE BRONX, NY NO ZIP PROVIDED

**Information updated through: 02/21/2003

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1473 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: E 173RD ST / HOE AVE
Revised zip code: NO CHANGE

Source of Spill: OTHER COMM/INDUSTRIAL
Notifier Type: RESPONSIBLE PARTY
Caller Name:
DEC Investigator: O'CONNELL
Spiller: UNKNOWN
Notifier Name:
Caller Agency:
Contact for more spill info: CHARLIE MCCARTHY
Spiller Phone: ( ) -
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 580-6765

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
05/16/2001		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	UNKNOWN	1.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: spill 2 quarts on top of 200 gallons of water will be cleaned up pending results con edison ref # 137114

DEC Investigator Remarks:

CON ED E2MIS REPORT 5-16-01

Found 2qts. of unknown oil on 200gals. of water in MH-8157. No sewers/waterways affected. tag installed and sample taken.

0635hrs.
Cannot clean spill within 24hrs.,no flush crew .

5-22-01 1342hrs.
Tanker removed 1500gals.of water, 2qts of oil. Flush truck 750lbs. of solids. The cleanup is complete at this time. Tag removed.

Total PCB <1ppm

** See beginning of spills section for more details.

Map Identification Number 44 **GETTY #276** **Spill Number: 9709839** **Close Date: 09/24/2003**
1720 BOONE AVE BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/10/2004

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1493 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
Notifier Type: OTHER
Caller Name: JOE PISEL
DEC Investigator: O'DOWD

Spiller: GETTY #276
Notifier Name: CLIFF KELLER
Caller Agency: TYREE ENVIROMENTAL
Contact for more spill info: SCOTT J HANLEY

Spiller Phone: (718) 324-5202
Notifier Phone: (516) 249-3150
Caller Phone: (516) 249-3150
Contact Person Phone: (718) 324-5202

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
11/24/1997		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
GASOLINE	UNKNOWN	0	GALLONS	YES	0	GALLONS	NO

Caller Remarks: Upon tank removal contaminated soil was discovered.Soil is being stockpiled for removal.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 45 **Spill Number: 9807156** **Close Date: 12/22/2003**

935 EAST 178TH ST 2-B BRONX, NY NO ZIP PROVIDED

**Information updated through: 02/13/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1494 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: 935 EAST 178TH ST
Revised zip code: 10460

Source of Spill: PRIVATE DWELLING Spiller: UNKNOWN Spiller Phone:
Notifier Type: AFFECTED PERSONS Notifier Name: Notifier Phone:
Caller Name: RACHAEL BLAGROVNE Caller Agency: CITIZEN Caller Phone: (718) 328-1536
DEC Investigator: SANGESLAND Contact for more spill info: RACHAEL BLAGROVNE Contact Person Phone: (718) 328-1536

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
07/11/1998		UNKNOWN	SOIL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	UNKNOWN	0	GALLONS	NO	0	GALLONS	NO

Caller Remarks: CALLER STATES FINDING A BLACK PETROLEUM PRODUCT COMING UP FROM THE GROUND. HAS CAUSED SKIN IRRITATION AND HAS BEEN TO THE DOCTORS. REQ ASSISTANCE WITH PROBLEM.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 46 **MANHOLE#2952** **Spill Number: 0311113** **Close Date: 12/30/2003**
178TH STREET/BRYANT AVE BRONX, NY NO ZIP PROVIDED
Information updated through: 01/07/2004

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1633 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: E 178TH ST / BRYANT AV
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
12/30/2003	UNKNOWN PETROLEUM	8.00	GALLONS	NO	UNKNOWN	ON LAND

Map Identification Number 47 **VAULT 2952** **Spill Number: 0308310** **Close Date: 12/22/2003**
178TH ST & BRYANT AV BRONX, NY NO ZIP PROVIDED
Information updated through: 06/16/2004

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1633 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: E 178TH ST / BRYANT AV
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
11/06/2003	UNKNOWN PETROLEUM	0.00	GALLONS	YES	UNKNOWN	ON LAND

Map Identification Number 48 **STARLITE PARK** **Spill Number: 0305387** **Close Date: 11/14/2003**
SHERIDAN EXPRESSWAY BRONX, NY NO ZIP PROVIDED
Information updated through: 06/16/2004

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1678 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: I 895 / E 174TH ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
08/20/2003	UNKNOWN MATERIAL	0.00	GALLONS	YES	OTHER	ON LAND

Map Identification Number 49 **781 ELSMERE PL/VAN GUARD** **Spill Number: 8911677** **Close Date: 04/11/2003**
781 ELSMERE PLACE NEW YORK CITY, NY NO ZIP PROVIDED
**Information updated through: 01/30/2005

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1930 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: OTHER
Caller Name:
DEC Investigator: TIBBE
Spiller:
Notifier Name:
Caller Agency:
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
03/08/1990		UNKNOWN	IN SEWER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	UNKNOWN	-1.00	POUNDS	NO	0.00	POUNDS	NO

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 50 **0940 (TRANFORMER MANHOLE)** **Spill Number: 0011553** **Close Date: 06/05/2001**
E 173 ST & W FARMS RD BRONX, NY NO ZIP PROVIDED
**Information updated through: 02/12/2003

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1941 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: E 173RD ST / W FARMS RD
Revised zip code: 10460

Source of Spill: UNKNOWN
Notifier Type: AFFECTED PERSONS
Caller Name:
DEC Investigator: FOLEY
Spiller: UNKNOWN
Notifier Name:
Caller Agency:
Contact for more spill info:
Spiller Phone: ( ) -
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
01/25/2001		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	UNKNOWN	1.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: 1 PINT UNK OIL - CLEAN UP PENDING LAB RESULTS - REF #135224

DEC Investigator Remarks:

CON ED E2MIS REPORT 1-25-01
1pt of unknown oil on top of water and mud in TM #940. Conduit plate 16-m-1 indicates a sewer connection. TM was being pumped when sheen was noticed on top of water, pumping ws halted. Source /cause of spill unknown. samples taken

Arocor none; PCB <1.00ppm

Unit was pressure tested on 1-28-01 and passed. Secondary cables need to be replaced, the insulation is falling off the cbale which caused smoking in the vault. Cables were not replaced because of rain.

2-15-01 1300hrs.
Feeder 4x45 scheduled to be taken out of service this evening in oder to perform a transformer replacement and an environmental cleanup on 2-16-01 hasbeen cancelled due to a conflict with water pollution plant customer equipment. Feeder will be rescheduled for outage on 2-23-01.

19:45hrs.
Env. Ops. completed cleanup of TM. Crew removed approx. 1pt oil and 1.200gals. of water. Cleaned and double washed the TM, tag removed. Cleanup completed at 19:45hrs.

** See beginning of spills section for more details.

Map Identification Number 51 **MANHOLE 27283** **Spill Number: 0007945** **Close Date: 10/02/2000**
W FARM RD/E 173 RD ST BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1941 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: W FARM RD/E 173RD ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: AFFECTED PERSONS
Caller Name:
DEC Investigator: O'CONNELL

Spiller:
Notifier Name:
Caller Agency:
Contact for more spill info: TED ROBICHAUD

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
10/05/2000		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN MATERIAL	UNKNOWN	1.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: clenaup pending labs 133811 1 qt total product

DEC Investigator Remarks:

DEC Investigator Notes:
Third party spill from meat packing plant. Jane O'Connell referred Con Ed to NYC Dept of Health for follow-up. According to Con Ed's Larry Fischer of Bronx/Westchester Underground, there are three vaults that have been affected for many years by the same meat packing plant.

e2MIS Notes:

1 quart of unknown oil on top of 200 gallons of a mix of water, grease (from meat house in front of hole) and oil in manhole #27283. Appears to be a 3rd party spill from meat market. Conduit plate 16-m-1 indicates no sewer connection. Sample will be taken. Address of store 1565 West Farms Road is where 3rd party spill came from.

** See beginning of spills section for more details.

Map Identification Number 52 **ON WATERFRONT/OUTFALL** **Spill Number: 0400644** **Close Date: 04/20/2004**
177TH ST./ DEVOE AVE. BRONX, NY NO ZIP PROVIDED
Information updated through: 02/26/2005

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2102 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: E 177TH ST / DEVOE AV
Revised zip code: 10460

Source of Spill: UNKNOWN

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
04/19/2004	RAW SEWAGE	0.00	POUNDS	NO	UNKNOWN	SURFACE WATER

Map Identification Number 53 **BRONX RIVER** **Spill Number: 0107002** **Close Date: 07/31/2003**
BRONX RIVER BRONX, NY NO ZIP PROVIDED
**Information updated through: 11/24/2003

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2250 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 1087 E TREMONT AV
Revised zip code: 10460

Source of Spill: UNKNOWN Spiller: UNKNOWN FOR NOW Spiller Phone:
Notifier Type: LOCAL AGENCY Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: TIPPLE Contact for more spill info: ABBY FEINSTEIN Contact Person Phone: (718) 430-1846

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
10/04/2001		UNKNOWN	SURFACE WATER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
RAW SEWAGE	UNKNOWN	0	GALLONS	YES	0	GALLONS	NO

Caller Remarks: the spill from an area 1087 trmont ave near the park spill is coming from the ground and going unto the bronx river call 718-430-1846 for abby**********

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 54 **TM1014** **Spill Number: 0101464** **Close Date: 06/19/2001**
HONEYWELL AVE & E180 ST BRONX, NY NO ZIP PROVIDED
**Information updated through: 02/21/2003

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2310 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: HONEYWELL AVE / E 180TH ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: Spiller Phone:
Notifier Type: AFFECTED PERSONS Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: FOLEY Contact for more spill info: RICHARD ROACH Contact Person Phone: (212) 580-6764

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
05/07/2001		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	UNKNOWN	2.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: samples taken - cleanup pending results con ed 136901

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 55 **QUALITY MILL WORK CORP** **Spill Number: 0008940** **Close Date: 02/13/2003**
425 DEVOE AVE BRONX, NY NO ZIP PROVIDED
**Information updated through: 12/26/2003

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2354 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER COMM/INDUSTRIAL
Notifier Type: CITIZEN
Caller Name:
DEC Investigator: DEMEO

Spiller: QUALITY MILL WORK CORP
Notifier Name:
Caller Agency:
Contact for more spill info: NOTIFIER

Spiller Phone: ( ) -
Notifier Phone:
Caller Phone:
Contact Person Phone: ( ) -

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
11/01/2000		UNKNOWN	SURFACE WATER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN MATERIAL	UNKNOWN	0	GALLONS	YES	0	GALLONS	NO

Caller Remarks: citizen noticed a white foam seeping out of the above into the river. substance was coming out of the back of the plant. call would like a call back

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 56 **Spill Number: 9903847** **Close Date: 10/20/1999**

EAST 180TH ST & BOSTON RD BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2382 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: EAST 180TH ST / BOSTON RD
Revised zip code: NO CHANGE

Source of Spill:	OTHER COMM/INDUSTRIAL	Spiller:	CON EDISON	Spiller Phone:	(212) 580-6763
Notifier Type:	RESPONSIBLE PARTY	Notifier Name:	MR. DIXON	Notifier Phone:	(914) 925-6205
Caller Name:	MIKE CESARE	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	O'CONNELL	Contact for more spill info:		Contact Person Phone:	

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
07/04/1999		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	PETROLEUM	3.00	GALLONS	NO	3.00	GALLONS	NO

Caller Remarks: VAULT V-3029. THREE GALLONS UNKNOWN OIL. CONTAINED WITHIN VAULT. NO DRAINS. SAMPLES TAKEN. CLEAN UP PENDING TEST RESULTS. CON EDISON REFERENCE NUMBER 126063.

DEC Investigator Remarks:

con ed e2mis notes:

3 gallons unknown oil in V3029. The cleanup will take place once the sample results are recieved. 0ppm pcb. When crew was disp. to do the clean up at the location given no tag was at the initial address. Upon investigation the wrong address was given at the time of the initial report. The wrong address was also put on the report from the chem lab with the sample results. The correct address was put on e2mis and a new sample taken from the address shown on front page.

Inspected 4 vaults at the location of 180th street and boston road and could not find V-3029. Also there was no environmental tag or any sign of oil in the vaults. He proceeded to E.178th street and clinton ave. and inspected teh vault there and found no sign of oil or any environmental tag. This cleanup must have been previously completed and not signed off. We concur and are considering this job completed.

Correct vault number is 3025.
Tags removed. No oil was found in vault.

** See beginning of spills section for more details.

Map Identification Number 57 **VAULT 4146** **Spill Number: 0012070** **Close Date: 08/16/2001**
E180TH ST/BOSTON RD BRONX, NY NO ZIP PROVIDED

**Information updated through: 02/12/2003

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2382 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: E 180TH ST / BOSTON RD
Revised zip code: 10460

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone: ( ) -
Notifier Type: AFFECTED PERSONS Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: OKWUOHA Contact for more spill info: CHARLIE MCCARTHY Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
02/09/2001		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	UNKNOWN	2.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: CLEAN UP PENDING, CON ED# 135456

DEC Investigator Remarks:

E2MIS Notes 2/9/01: 2 gallons of unknown oil and 200 gallons of water in vault. No sewer connection. No smoke. No fire. No sewer or waterways affected.

2/10/2001: Sample results: Arochlor: none

2/14/2001: Tanker removed 15000 gallons and 5 gallons of oil from vault 4146. Flush crew double washed and cleaned vault. Job completed at 01:00 hours.

ars

** See beginning of spills section for more details.

Map Identification Number 58 **VAULT # 5016** **Spill Number: 0012037** **Close Date: 08/16/2001**
E 180TH ST / BOSTON RD BRONX, NY NO ZIP PROVIDED

**Information updated through: 02/12/2003

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2382 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: UNK | Spiller Phone: (000) 000-0000
Notifier Type: AFFECTED PERSONS | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: FOLEY | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
02/08/2001		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	UNKNOWN	5.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: con ed # 135442 spill is confined in the man hole on surface of 100 gallons of water historic data shows sample of 14 ppm new sample taken and clean up pending results

DEC Investigator Remarks:

Notes from E2MIS report:

2/8/2001: 5 gallons of unknown oil located in vault #5016 on top of 100 gallons of water. Historical data from 2/10/1995 indicates 14 ppm pcb.

2/9/2001: Sample results: Arochlor: none <1.00 ppm PCB.

Transformer was tested and held pressure.

2/15/2001: Report received from flush mechanic Bill Silkowski, tanker removed 5 gallons of motor oil and 15,000 gallons of water. Flush crew double washed the vault and cleaned. Job completed on 2/14/2001 at 21:00 hrs.

** See beginning of spills section for more details.

Map Identification Number 59 **X** **Spill Number: 0407179** **Close Date: 10/01/2004**
1125 WYATT STREET BRONX, NY NO ZIP PROVIDED
Information updated through: 12/26/2004

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2436 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
09/29/2004	UNKNOWN PETROLEUM	0.00	POUNDS	NO	OTHER	GROUNDWATER

Map Identification Number 60 **BRONX RIVER HOUSING** **Spill Number: 9404172** **Close Date: 06/24/1994**
1575 E. 174TH ST BRONX, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2449 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER NON COMM/INSTITUTIONAL Spiller: COASTAL OIL Spiller Phone: (718) 746-2417
Notifier Type: AFFECTED PERSONS Notifier Name: Notifier Phone:
Caller Name: DORIS Caller Agency: COASTAL OIL Caller Phone: (781) 746-2417
DEC Investigator: CAMMISA Contact for more spill info: Contact Person Phone:

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
06/24/1994	06/24/1994	OTHER	ON LAND	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	PETROLEUM	2.00	UNKNOWN	NO	0.00	UNKNOWN	NO

Caller Remarks: OIL CAME OUT OF VENT - CLEANED UP BY CUSTODIAN- FELL ON DIRT

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 61 **MANHOLE 13383** **Spill Number: 9813244** **Close Date: 02/16/1999**
E 180TH ST / CROTONA PKWY BRONX, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2499 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Spiller: UNKNOWN
Spiller Phone: ( ) -
Notifier Type: OTHER
Notifier Name: MR MOORE
Notifier Phone: (212) 580-6763
Caller Name: LISA PRIMEGGIA
Caller Agency: CON EDISON
Caller Phone: (212) 580-6763
DEC Investigator: ENGELHARDT
Contact for more spill info: LISA PRIMEGGIA
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
01/28/1999		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	YES	0	GALLONS	NO

Caller Remarks: 1/2 PT OF OIL FOUND IN THE MANHOLE. SAMPLES TAKEN AND CLEAN UP PENDING LAB RESULTS. CON ED 122-722

DEC Investigator Remarks:

DEC Inspector notes:

2/2/99: emailed erts

Responsible Organization: Bronx BEDS underground
Spill source identified? no
Analysis results (oil ID, pcb, benzene) Oil pcb <1.00 ppm
Failing equipment involved? Specify Unknown oil in manhole. NO equipment involved.
Defective equipment repaired/replaced? NO equipment involved.
If not, when scheduled? NONE
Spill cleaned? Yes as of 1/29/99
How? Cleaned with tanker and flush truck. Waste disposed of as <50 ppm

** See beginning of spills section for more details.

Map Identification Number 62 **MANHOLE 979** **Spill Number: 9902645** **Close Date: 04/12/2002**
EAST 176TH ST/CROTONA AV
BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/03/2003

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2606 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone: ( ) -
Notifier Type: RESPONSIBLE PARTY | Notifier Name: MR MOORE | Notifier Phone: (212) 580-6763
Caller Name: FRANK MASSERIA | Caller Agency: CON EDISON | Caller Phone: (212) 580-6763
DEC Investigator: O'CONNELL | Contact for more spill info: FRANK MASSERIA | Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
06/08/1999		UNKNOWN	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	UNKNOWN	3.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: OIL FOUND IN MANHOLE TESTING WILL BE DONE CON EDISON #125396

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 63 **1805 CROTONA AVE** **Spill Number: 9712051** **Close Date: 03/03/2003**
X STREET E175TH STREET BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/09/2004

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2632 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 1805 CROTONA AVE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: N/A | Spiller Phone:
Notifier Type: FEDERAL GOVERNMENT | Notifier Name: SAME | Notifier Phone:
Caller Name: ERIC PEREZ | Caller Agency: DEP | Caller Phone: (718) 595-6777
DEC Investigator: TOMASELLO | Contact for more spill info: ED MALONE | Contact Person Phone: (212) 306-8480

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;UNKNOWN RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
01/28/1998		UNKNOWN	GROUNDWATER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	UNKNOWN	40.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: they have a spill in front of that address.unknown who the spiller ed malone is the person who reported it to the dec.ed works for the nyc housing authority.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 64 **MURPHY HOUSING** **Spill Number: 9600600** **Close Date: 04/25/1996**
1805 CROTONA AVE BRONX, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2632 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER NON COMM/INSTITUTIONAL
Notifier Type: OTHER
Caller Name: ISAAC MUNGRA
DEC Investigator: HEALY

Spiller: ALPS MECHANICAL
Notifier Name: ALPS MECHANICAL
Caller Agency: PETRO.TANK CLEANERS
Contact for more spill info: FRANK OCELLO

Spiller Phone: (718) 779-8001
Notifier Phone: (718) 779-8001
Caller Phone: (718) 624-4842
Contact Person Phone: (212) 306-3229

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
04/12/1996		UNKNOWN	ON LAND	NO	NO

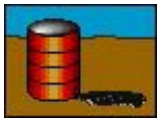
Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	PETROLEUM	25.00	GALLONS	NO	25.00	GALLONS	NO

Caller Remarks: caller was contacted to clean up he has no further info at this time

DEC Investigator Remarks:

Temporary tank and boilers at site. Contractor or site personnel switched the return line to the small (400 gallon) tanks built into the boiler trailer. The tank on the trailer overflowed out through the vent line. Approximatley 25 gallons spilled. Alps called their contractor (Petroleum Tank Cleaners) to do the clean up. Close out. (see also spill #9600613, called in by NYCHA).

** See beginning of spills section for more details.



CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/4 Mile. Between 1/4 Mile and 1/2 Mile, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

**Site profiles in this report section contain 36 data fields of information obtained from the New York Department of Environmental Conservation. Since 1/1/02, the DEC has only released information for 12 of those data fields: spill name, address components, spill date, close date, material spilled, quantity spilled, units, cause of spill and resource affected. As a result, the other 24 data fields are only updated through 1/1/02. Please note that the "Meets Cleanup Standards" status for individual spills could have changed since that time.

Map Identification Number 65 **NYCTA** **Spill Number: 8906508** **Close Date: 11/06/2001**
1801 BOSTN RD / E 175 ST BRONX, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 141 feet to the SW*

ADDRESS CHANGE INFORMATION
Revised street: 1801 BOSTON RD
Revised zip code: NO CHANGE

Source of Spill: OTHER NON COMM/INSTITUTIONAL
Notifier Type: FEDERAL GOVERNMENT
Caller Name: MARGARET CHONG
DEC Investigator: TOMASELLO
Spiller: SAME
Notifier Name:
Caller Agency: USEPA
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone: (201) 548-8730
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
09/15/1989	11/06/2001	ABANDONED DRUM	ON LAND	YES	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL
Caller Remarks: DRUM DUMPED BY TA ON THEIR OWN PROPERTY-DISCOVERED BY ECO'S. AT LEAST10 DRUMS OF "DEXTRON" TRANSMISSION FLUID & METHYL ALCOHOL. NYFD ON SCENE. TOMASELLO RESPONDING TO ADVISE ECO'S ON CLEANUP.

DEC Investigator Remarks:

10/10/95: This is additional information about material spilled from the translation of the old spill file: MINRL SPIRTS/MTHL AL.

11/06/01: MF-R9 SPILL OVER 12 YEARS OLD, ECO'S RESPONDED ALSO. DEAD ISSUE. NO FURTHER ACTION POSSIBLE. ****COMPUTER FILE****

** See beginning of spills section for more details.

Map Identification Number 66 **891 EAST 175TH STREET** **Spill Number: 9514770** **Close Date: 02/22/1996**
891 EAST 175TH STREET BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 648 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: RESPONSIBLE PARTY
Caller Name: PAUL SCAROLA
DEC Investigator: ZHITOMIRSKY

Spiller: BAERENKLAU FUEL
Notifier Name: CONNIE GAUDIO
Caller Agency: BAERENKLAU FUEL
Contact for more spill info: PAUL SCAROLA

Spiller Phone: (718) 647-4200
Notifier Phone: (718) 647-4200
Caller Phone: (718) 647-4200
Contact Person Phone: (718) 647-4200

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
02/19/1996		EQUIPMENT FAILURE	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	PETROLEUM	3.00	GALLONS	NO	3.00	GALLONS	NO

Caller Remarks: came out of dome-vent cover on tank truck - spill crew on scene - cleaned

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 67 **1773 VYSE AVE** **Spill Number: 9512429** **Close Date: 01/05/1996**
1773 VYSE AVE BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 740 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER NON COMM/INSTITUTIONAL
Notifier Type: RESPONSIBLE PARTY
Caller Name: JIM CAREY
DEC Investigator: KRIMGOLD

Spiller: CASTLE OIL CORP
Notifier Name: TOM REILLY
Caller Agency: CASTLE OIL CORPORATION
Contact for more spill info: MR WOLF

Spiller Phone: (718) 579-3414
Notifier Phone: (718) 579-3414
Caller Phone: (718) 579-3414
Contact Person Phone: (718) 597-2535

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
01/05/1996		EQUIPMENT FAILURE	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	PETROLEUM	5.00	GALLONS	NO	5.00	GALLONS	NO

Caller Remarks: spill on to sidewalk driver cleaned up crew was sent to check on clean up

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 68 **BOSTON RD & E 174TH ST** **Spill Number: 9108562** **Close Date: 11/11/1991**
BOSTON RD & E 174TH ST BRONX, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (2)
Approximate distance from property: 874 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: BOSTON RD / E 174TH ST
Revised zip code: 10460

Source of Spill: PASSENGER VEHICLE Spiller: Spiller Phone:
Notifier Type: FIRE DEPARTMENT Notifier Name: Notifier Phone:
Caller Name: F KELLER Caller Agency: NYC FD HAZ MAT Caller Phone: (718) 753-1424
DEC Investigator: TOMASELLO Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
11/11/1991	11/11/1991	TRAFFIC ACCIDENT	IN SEWER	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
DIESEL	PETROLEUM	60.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: NYC PD ON SCENE. ATTEMPTS TO DYKE UNSUCCESSFUL.

DEC Investigator Remarks: / / : NYC FD CONFIRMED THAT THE FUEL WAS WASHED INTO THE SEWER & SEWER WAS THOROUGH FLUSHED.

** See beginning of spills section for more details.

Map Identification Number 69 **LONGFELLOW AV** **Spill Number: 0202108** **Close Date: 06/10/2002**
EAST 174TH ST BRONX, NY NO ZIP PROVIDED
Information updated through: 11/13/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1111 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: LONGFELLOW AV / E 174TH ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
05/29/2002	WASTE OIL	20.00	GALLONS	NO	ABANDONED DRUM	ON LAND

Map Identification Number 70 **NYFD ENGINE CO 45** **Spill Number: 9708091** **Close Date: 10/09/1997**
925 EAST TREMONT AVE BRONX, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1157 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER NON COMM/INSTITUTIONAL
Notifier Type: OTHER
Caller Name: TONY CAGGIANO
DEC Investigator: MARTINKAT
Spiller: RAD OIL
Notifier Name: A LIBERATO
Caller Agency: LIRO
Contact for more spill info:
Spiller Phone: (517) 678-1111
Notifier Phone: (516) 938-5476
Caller Phone: (516) 938-5476
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
10/09/1997		EQUIPMENT FAILURE	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
DIESEL	PETROLEUM	5.00	GALLONS	NO	5.00	GALLONS	NO

Caller Remarks: CALLER STATES THAT HTERE WAS A LEAK IN LINE DURING FILLING. SPILL HAS BEEN CLEANED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 71 **URBAN HOME OWNERSHIP** **Spill Number: 9711887** **Close Date: 01/23/1998**
1700 CROTONA PARK EAST BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1230 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: RESPONSIBLE PARTY
Caller Name: STANLEY LOPEZ
DEC Investigator: MARTINKAT

Spiller: LB TRANSPORT
Notifier Name:
Caller Agency: LB TRANSPORT
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 401-9130
Contact Person Phone: (718) 991-0380

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
01/23/1998		TANK OVERFILL	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#6 FUEL OIL	PETROLEUM	15.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: DRIVER ERROR TANK OVERFILL SPILL TO SIDEWALK AND GROUND ONLY SPILL CONTAINED CLEANUP CREW ENROUTE

DEC Investigator Remarks: CALL 420 LEFT MESSAGE ASK FOR STATUS AND CALL BACK.

** See beginning of spills section for more details.

Map Identification Number 72 **CORTYARD** **Spill Number: 9711658** **Close Date: 01/20/1998**
1700 CROTONA PARK EAST BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1230 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER COMM/INDUSTRIAL
Notifier Type: RESPONSIBLE PARTY
Caller Name: FRANK RIZZO
DEC Investigator: TIBBE

Spiller:
Notifier Name: PAUL FUSCO
Caller Agency: CRYSTAL TRANS CORP
Contact for more spill info: FRANK RIZZO

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 828-3100
Contact Person Phone: (718) 828-3100

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
01/16/1998		HUMAN ERROR	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	PETROLEUM	10.00	GALLONS	NO	10.00	GALLONS	NO

Caller Remarks: two tanks in system - building supervisor ordered fuel but never switched valve to the proper tank

DEC Investigator Remarks: CLEANED BY RP.

** See beginning of spills section for more details.

Map Identification Number 73 **1700 CROTONA PARK EAST** **Spill Number: 9704040** **Close Date: 07/03/1997**
1700 CROTONA PARK EAST BRONX, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1230 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: RESPONSIBLE PARTY
Caller Name: MIKE CARRASQUILLO
DEC Investigator: MARTINKAT

Spiller:
Notifier Name: HENRY LOGO
Caller Agency: CASTLE OIL
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 579-3415
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
07/03/1997		EQUIPMENT FAILURE	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	PETROLEUM	3.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: DEFECTIVE PETROMETER CAUSED SPILL - SPILL ON SOIL AND IN BASEMENT SPILL CONTAINED WITH SPEEDI DRY - CLEAN UP CREW ON WAY

DEC Investigator Remarks:

NO REGISTRATION, 2:30 CALLED CASTLE 579-3413- MIKE 2:55 POSSIBLY TOP OF TANK- CREW OUT TO CHECK/REPAIR/CLEAN 5K TANK ALSO 3K TANK

THERE.

** See beginning of spills section for more details.

Map Identification Number 74 **APT BUILDING** **Spill Number: 9605252** **Close Date: 04/30/1998**
1700 CROTONA PARK EAST BRONX, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1230 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER NON COMM/INSTITUTIONAL
Notifier Type: OTHER
Caller Name: JOE MANSUETO
DEC Investigator: TANG
Spiller: APT BUILDING
Notifier Name: JOE MANSUETO
Caller Agency: CRYSTAL TRANSPORTATION
Contact for more spill info:
Spiller Phone:
Notifier Phone: (718) 828-3100
Caller Phone: (718) 828-3100
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
07/23/1996		HUMAN ERROR	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	PETROLEUM	20.00	GALLONS	NO	0.00	GALLONS	YES

Caller Remarks: 2 TANKS AT BUILDING SUPER. OF BUILDING HAD VALVE ON WRONG TANK - CLEAN UP CREW IS ON SCENE

DEC Investigator Remarks:

CALLED CRYSTAL TRANSPORTATION, SPOKE TO GIL, SAID THAT SPILL CAME OUT FROM THE VENT PIPE ON THE SIDEWALK, NO SEWER IMPACTED - CLEANED UNDERWAY.

** See beginning of spills section for more details.

Map Identification Number 75 **Spill Number: 0209146** **Close Date: 06/30/2003**
1700 CROTONA PK EAST BRONX, NY NO ZIP PROVIDED
Information updated through: 11/20/2003

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1230 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 1700 CROTONA PARK E
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE

Spill Date	Material Spilled	Quantity Spilled	Units	Unk Quantity Spilled ?	Cause of Spill	Resource Affected
12/02/2002	#4 FUEL OIL	15.00	GALLONS	NO	TANK OVERFILL	ON LAND

Map Identification Number 76 **COLISEUM DEPOT** **Spill Number: 8803270** **Close Date: 07/15/1988**
1000 E TREMONT ST NYC, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1240 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 1000 E TREMONT AVE
Revised zip code: 10460

Source of Spill: UNKNOWN Spiller: EMPLOYEE OF MTA Spiller Phone:
Notifier Type: RESPONSIBLE PARTY Notifier Name: Notifier Phone:
Caller Name: BARBARA STOLARZ Caller Agency: EPA Caller Phone: (201) 548-8730
DEC Investigator: AUSTIN Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
07/14/1988	07/15/1988	DELIBERATE	ON LAND	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	PETROLEUM	220.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: 55-GAL DRUM LUBE OIL, 110-GAL DRUM ANTI-FREEZE, 55-GAL DRUM POLYURE- THANE THINNER BEING CLEANED UP. BEING SUPERVISED BY NYCDEP.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 77 **870 ELSMERE PL.** **Spill Number: 9213121** **Close Date: 02/24/1993**
870 ELSMERE PL. BRONX, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1241 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER COMM/INDUSTRIAL | Spiller: APT. BLDG. | Spiller Phone:
Notifier Type: OTHER | Notifier Name: | Notifier Phone:
Caller Name: MIKE FRIED | Caller Agency: ABC TRANSPORT | Caller Phone: (718) 626-4161
DEC Investigator: CAMMISA | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
02/24/1993	02/24/1993	HUMAN ERROR	ON LAND	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	PETROLEUM	10.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: SUPT. TOLD DRIVER, TANK WOULD HOLD 2000 GALS, DRIVER PUMPED 2000 GAL. WHEN HE BLEW THE LINE OIL CAME OUT OF VENT TO CONCR. SIDEWALK. DRIVER APPLIED SPEEDI-DRI AND SPILL TEAM ENROUTE TO COMPLETE CLEAN

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 78 **Spill Number: 9810642** **Close Date: 11/23/1998**

1010 EAST TREMONT AVENUE BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/06/2003

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1291 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING | Spiller: | Spiller Phone:
Notifier Type: OTHER | Notifier Name: TOM BROWN | Notifier Phone: (718) 932-9075
Caller Name: CHARLIE PUGLISI | Caller Agency: MYSTIC TRANSPORTATION | Caller Phone: (718) 932-9075
DEC Investigator: TOMASELLO | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
11/23/1998		EQUIPMENT FAILURE	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	UNKNOWN	15.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: BAD FILL BOX. SPILLED ONTO CONCRETE SIDEWALK. CLEANED UP. STUYVESANT OIL COMPANY TO BE NOTIFIED TO MAKE REPAIRS.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 79 **CROSS BX EPWY/SHERIDAN EX** **Spill Number: 9312169** **Close Date: 01/15/1994**
CROSS BX EXPWY/SHERIDAN E BRONX, NY NO ZIP PROVIDED

**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1489 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: CROSS BRONX EXY/SHERIDAN EXY
Revised zip code: 10460

Source of Spill: COMMERCIAL VEHICLE Spiller: WESZCO Spiller Phone:
Notifier Type: FIRE DEPARTMENT Notifier Name: Notifier Phone:
Caller Name: FIREFIGHTER NOUZA Caller Agency: NYC FD Caller Phone: (718) 476-6288
DEC Investigator: O'DOWD Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
01/15/1994	01/15/1994	TRAFFIC ACCIDENT	IN SEWER	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
DIESEL	PETROLEUM	100.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: SADDLE TRUCK HIT HIGH CURB RUPTURED TANK DEP ON SCENE SANITATION NOTIFIED DIKED SEWERS & PATCHED TANK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 80 **MTA BUS DEPOT** **Spill Number: 8803217** **Close Date: 02/27/1989**
1100 E 177 ST NYC, NY NO ZIP PROVIDED

**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2116 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 1100 E 177TH ST
Revised zip code: NO CHANGE

Source of Spill: OTHER COMM/INDUSTRIAL | Spiller: 718-330-3000 | Spiller Phone: (212) 829-9562
Notifier Type: POLICE DEPARTMENT | Notifier Name: | Notifier Phone:
Caller Name: P O MCDONALD | Caller Agency: NYPD | Caller Phone: (212) 374-5500
DEC Investigator: SIGONA | Contact for more spill info: | Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
07/14/1988	02/27/1989	HUMAN ERROR	ON LAND	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
UNKNOWN PETROLEUM	PETROLEUM	100.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: DEP, DOH & DMF RESPONDING, NYFD ON SCENE. DEP WILL CLEAN UP. DEC TOMASELLO INVESTIGATED AND NO PETROLEUM IS INVOLVED HOWEVER CLEANUP OFMATERIALS RESEMBLING OILS BEING CLEANED UP BY DEP PROTOCOLS

DEC Investigator Remarks:

10/10/95: This is additional information about material spilled from the translation of the old spill file: POLYURETHANE-THINNER.

** See beginning of spills section for more details.

Map Identification Number 81 **MINFORD PL &EAST 172ND ST** **Spill Number: 8904140** **Close Date: 02/09/1998**
MINFORD PL / E 172ND ST NEW YORK CITY, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2239 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING | Spiller: MILCHMAN REALTY-OWNER | Spiller Phone: (212) 654-5959
Notifier Type: LOCAL AGENCY | Notifier Name: | Notifier Phone:
Caller Name: KEN FRADKIN | Caller Agency: NYCDEP | Caller Phone: (212) 669-8926
DEC Investigator: SIGONA | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;UNKNOWN RESPONSIBLE PARTY;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
07/26/1989		TANK OVERFILL	GROUNDWATER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#2 FUEL OIL	PETROLEUM	2000	GALLONS	NO	0	GALLONS	NO

Caller Remarks: HIRED FENELY & NICHOL UNDER DEC CONTRACT TO PUMP OIL FROM ABANDDONED UNDERGROUND TANK LEFT MANHOLE OPEN WITH AN OIL SPILL ONTO SURFACE. SERIOUS HAZARD TO PUBLIC LOT OPEN AND NEXT TO OPEN FIELD.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 82 **AMTRAK** **Spill Number: 8605475** **Close Date: 12/01/1986**
174 ST BRONX RIVER AVE
NEW YORK CITY, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2420 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: E 174TH ST/BRONX RIVER AVE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: LOCAL AGENCY
Caller Name:
DEC Investigator:
Spiller: AMTRAK
Notifier Name:
Caller Agency:
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
11/28/1986	12/01/1986	EQUIPMENT FAILURE	ON LAND	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
PCB OIL	PETROLEUM	150.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: CLEANED UP BY AMTRAK FIRE DEPT. HAZMAT ON SCENE DEP CHEMIST ON SITE CHECK FOR PCB NONE FOUND.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

Map Identification Number 83 **BRONX RIVER HOUSES** **Spill Number: 9612598** **Close Date: 08/15/1997**
1575 EAST 174TH STREET
BRONX, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2449 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER COMM/INDUSTRIAL
Notifier Type: RESPONSIBLE PARTY
Caller Name: RAY VELEZ
DEC Investigator: HEALY
Spiller: NYC HOUSING AUTH
Notifier Name: RICHARD SCOTT
Caller Agency: NYC HOUSING AUTHORITY
Contact for more spill info: EMERGENCY SERVICES
Spiller Phone: (212) 306-3142
Notifier Phone: (212) 306-3142
Caller Phone: (212) 306-3142
Contact Person Phone: (212) 289-3940

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
01/22/1997		HUMAN ERROR	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	PETROLEUM	200.00	GALLONS	NO	0.00	GALLONS	YES

Caller Remarks: NUMBER 4 FUEL WAS PUT INTO WRONG TANK SPILLING ABOUT 200 GALS. SPILL IS CONTAINED IN A VAULT. SPILL TO BE CLEANED UP IN AM ON JAM 23RD, 1997. CLEANUP TO BE DONE BY WINSTON CONTRACTING. NYC HOUSING DID VERIFY SPILL IS CONTAINED.

DEC Investigator Remarks: SEE SPILL # 9612593 (DUPLICATE REPORT)

** See beginning of spills section for more details.

Map Identification Number 84 **MURPHY CONSOLIDATED** **Spill Number: 9513836** **Close Date: 02/06/1996**
1805 CROTONA AVE BRONX, NY NO ZIP PROVIDED
**Information updated through: 01/01/2002

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2632 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: OTHER NON COMM/INSTITUTIONAL
Notifier Type: RESPONSIBLE PARTY
Caller Name: ED MALONE
DEC Investigator: HEALY
Spiller: NYC HOUSING AUTHORITY
Notifier Name: LOUIS PONTE
Caller Agency: NYC HOUSING
Contact for more spill info: DORIS WELCH
Spiller Phone:
Notifier Phone: (212) 289-3994
Caller Phone: (212) 306-8480
Contact Person Phone: (718) 589-8330

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Resource Affected	Meets Cleanup Standards	Penalty Recommended
01/31/1996		EQUIPMENT FAILURE	ON LAND	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Unk Quantity Spilled ?	Quantity Recovered	Units	Unk Quantity Recovered ?
#4 FUEL OIL	PETROLEUM	100.00	GALLONS	NO	0.00	GALLONS	NO

Caller Remarks: gauge rupture causing spill

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

** See beginning of spills section for more details.

THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/4 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
9912291		1687 VYSE AV	BRONX
0103577		TREMONT AVE/SOUTHERN BLVD	BRONX
9512742	1712 LONGFELLOW AVE	1712 LONGFELLOW AVE	BRONX
0202883	PARKVIEW APARTMENTS LLC	1680 CROTONA PARK EAST	BRONX
9402761	1680 CROTONA PARK EAST	1680 CROTONA PARK EAST	BRONX
9403321	NYS DOS	800 & 176 STREET	BRONX, NY
0107083		1704 BOONE AVE	BRONX
0311181	WEST FARMS BUS DEPOT	EAST TREMONT ST	BRONX
0107623		1700 BOONE AVE/174TH ST	BRONX
9914531	MURPHY CONSOLIDATED	1010 E 178TH ST	BRONX
0002377	CASTLE OIL	805 FAIRMONT PLACE	BRONX
9203740	1660 BOONE AVE	1660 BOONE AVE	BX
9806147		2064 DALY AV	BRONX
9905782	MANHOLE 17924	EAST TREMONT AVE/MAPES AV	BRONX
8911734	781 ELSMERE PL/BX	781 ELSMERE PLACE	NEW YORK CITY
8911980	781 ELSNEVE PLACE	781 ELSNEVE PLACE	BRONX
9508167	MT CARMEL CHURCH	1936 PROSPECT AVE	BRONX
8909921	JULIO PANTOJA USED CARS	811 EAST 178TH STREET	NEW YORK CITY
8809969	1534 BRYANT AVE/BRONX	1534 BRYANT AVENUE	NEW YORK CITY
0310757	WEST FARMS BUS DEPOT	1100 EAST 177TH STREET	BRONX
0310791	WEST FARMS DEPOT	1100 EAST 177TH STREET	BRONX
0311123	WEST FARMS DEPOT	1100 EAST 177 TH STREET	BRONX
0009600	MAN HOLE # 13279	EAST 172ST/SOUTHER BLVD	BRONX
9302232	20-78 CROTONA PRKWY	20-78 CROTONA PRKWY	BRONX
0201119		2090 MOHEGAN AV	BRONX
0009031	MANHOLE 26529	180 ST/BRYANT AVE	BRONX
9810715		DEVOE AND E TREEMONT ST	BRONX
0409544	1498 BRYANT AVE	1498 BRYANT AVE	BRONX
9309255	2105 DAILY AVENUE	2105 DAILY AVENUE	BRONX
9515747	2105 DALEY AVE	2105 DALEY AVE	BRONX
9411827	BRONX RIVER HOUSES-NYCHA	1575 EAST 174TH STREET	BRONX
9612593	BRONX RIVER	1575 EAST 174TH ST	BRONX
8603284	1465 BRONX RIVER AVE	1465 BRONX RIVER AVE	BRONX
9803465	EAST 179TH ST	PROSPECT AVE	BRONX

9514061	MURPHY HOUSES	1805 CROTONA AV	BRONX
9600613	MURPHY HOUSING	1805 CROTONA AVE	BRONX
9600999	MURPHY HOUSES	1805 CROTONA AVE	BRONX
9512020	MULTI DWELING BLDG	1904 CROTONA AVE	BRONX

**** PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/4 MILE SEARCH RADIUS ****

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 85 **WEST FARMS DEPOT** **Facility Id 2-190063** **Source: NYS DEC**
1811 BOSTON ROAD BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 92 feet to the SW*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 06/05/1992
Owner Name: NYC TRANSIT AUTHORITY
Owner Address: 370 JAY ST ROOM 809 BROOKLYN, NY 11201
Operator Name: NYC TRANSIT AUTHORITY Facility Phone #: (718) 240-3179
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	CLOSED-IN PLACE	#5 OR 6 FUEL OIL	10000	UNDERGROUND	12/01/1939		11/01/1996
002	CLOSED-IN PLACE	DIESEL	5000	UNDERGROUND VAULTED W/ ACCESS	12/01/1939		11/01/1996
003	CLOSED-IN PLACE	DIESEL	5000	UNDERGROUND VAULTED W/ ACCESS	12/01/1939		11/01/1996
004	CLOSED-IN PLACE	#5 OR 6 FUEL OIL	7500	UNDERGROUND	12/01/1939		11/01/1996
005	CLOSED-IN PLACE	OTHER	1080	UNDERGROUND	12/01/1939		11/01/1996
006	CLOSED-IN PLACE	OTHER	550	ABOVEGROUND ON LEGS RACKS ETC	12/01/1939		11/01/1996
007	CLOSED-IN PLACE	OTHER	550	ABOVEGROUND ON LEGS RACKS ETC	12/01/1939		03/01/1991
008	CLOSED-IN PLACE	OTHER	275	UNDERGROUND	12/01/1939		03/01/1991

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

Map Identification Number 86 **APT HOUSE** **Facility Id 2-244252** **Source: NYS DEC**
1838 VYSE AVE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 266 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 07/07/2002
Owner Name: R R W REALTY CORP
Owner Address: 2207 WILSON AVE BRONX, NY 10469
Operator Name: WOLF POSALSKI Facility Phone #: (212) 655-4284
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	5000	ABOVEGROUND			

Map Identification Number 87 **MONTEFIORE CENTRAL LAUNDRY** **Facility Id 2-108030** **Source: NYS DEC**
1776 HOE AVENUE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 436 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 05/07/2002
Owner Name: MONTEFIORE MEDICAL CENTER
Owner Address: 111 E 210TH ST BRONX, NY 10467
Operator Name: MONTEFIORE MEDICAL CENTER Facility Phone #: (212) 617-0440
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	10000	UNDERGROUND	09/01/1985	03/01/1998	

Map Identification Number 88 **APT HOUSE** **Facility Id 2-160881** **Source: NYS DEC**
1806 VYSE AVE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 481 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 10/23/2002
Owner Name: WILRITE REALTY CORP
Owner Address: 2207 WILSON AVENUE BRONX, NY 10469

Operator Name: WOLF POSALSKI Facility Phone #: (212) 655-4214
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	5000	ABOVEGROUND			

Map Identification Number 89 **RTP MANAGEMENT CORPORATION** **Facility Id 2-468010** **Source: NYS DEC**
1796 VYSE AVENUE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 561 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 02/05/2004
Owner Name: RTP MANAGEMENT CORPORATION
Owner Address: 330 EAST 204TH STREET BRONX, NY 10467
Operator Name: RTP MANAGEMENT CORPORATION Facility Phone #: (718) 519-6900
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#5 OR 6 FUEL OIL	5000	ABOVEGROUND ON LEGS RACKS ETC			

Map Identification Number 90 **1796 VSYE AVENUE** **Facility Id 2-481386** **Source: NYS DEC**
1796 VYSE AVENUE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 561 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 07/27/2000
Owner Name: RTP MANAGEMENT CORP
Owner Address: 330 EAST 204TH STREET BRONX, NY 10467
Operator Name: FRANCISCO MARTINEZ Facility Phone #: (718) 519-6900
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	ADMINISTRATIVELY CLOSED	#5 OR 6 FUEL OIL	5000	ABOVEGROUND ON LEGS RACKS ETC			06/07/2000

Map Identification Number 91 **AMOCO SERVICE STATION #60024** **Facility Id 2-292664** **Source: NYS DEC**
1776 SOUTHERN BLVD BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 599 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 02/03/2003
Owner Name: AMOCO OIL COMPANY
Owner Address: 300 INTERPRACE PARKWAY PARSIPPANY, NJ 07054
Operator Name: HECTOR PAULINO Facility Phone #: (718) 378-0530
Facility Type: Retail Gasoline Sales

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	UNLEADED GASOLINE	4000	UNDERGROUND	12/01/1989	01/24/2001	
002	IN SERVICE	UNLEADED GASOLINE	4000	UNDERGROUND	12/01/1989	01/24/2001	
003	IN SERVICE	UNLEADED GASOLINE	4000	UNDERGROUND	12/01/1989	01/24/2001	
004	IN SERVICE	UNLEADED GASOLINE	4000	UNDERGROUND	12/01/1989	01/24/2001	
The following tank(s) were either deleted from the reported data or the number was re-assigned.							
010	IN SERVICE	UNLEADED GASOLINE	5500	UNDERGROUND	06/59		

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
UNLEADED GASOLINE	113373000	X	X			X	

Map Identification Number 92 **1890 CROTONA PARKWAY** **Facility Id 2-600249** **Source: NYS DEC**
1890 CROTONA PARKWAY BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 635 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 05/29/2006
Owner Name: CROTONA PROPERTIES LLC
Owner Address: 1890 CROTONA PARKWAY BRONX, NY 10460
Operator Name: MIGUEL GUZMAN Facility Phone #: (718) 378-6700
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	5000	ABOVEGROUND			

Map Identification Number 93 **ST THOMAS AQUINAS SCHOOL** **Facility Id 2-374725** **Source: NYS DEC**
1909 DALY AVE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 708 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 10/02/2002
Owner Name: CHURCH OF ST THOMAS AQUINAS
Owner Address: 1900 CROTONA PKWY BRONX, NY 10460
Operator Name: REV ROMERO Facility Phone #: (718) 893-7600
Facility Type: School

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	5000	UNDERGROUND		01/01/2000	

Map Identification Number 94 **ST THOMAS AQUINAS CHURCH** **Facility Id 2-288535** **Source: NYS DEC**
1900 CROTONA PKWY NEW YORK, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 722 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 07/10/1997
Owner Name: ST THOMAS AQUINAS CHURCH
Owner Address: 1900 CROTONA PKWY NEW YORK, NY 10460
Operator Name: REV DAVID CASELLA Facility Phone #: (212) 589-5235
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	CLOSED BEFORE 4/1/91	#1 2 OR 4 FUEL OIL	4000	UNDERGROUND			
101	IN SERVICE	#1 2 OR 4 FUEL OIL	2000	ABOVEGROUND ON LEGS RACKS ETC	09/01/1988		
102	CLOSED-CONV NON-REG USE	#1 2 OR 4 FUEL OIL	550	ABOVEGROUND ON LEGS RACKS ETC	09/01/1988		08/01/1996
103	CLOSED-CONV NON-REG USE	#1 2 OR 4 FUEL OIL	550	ABOVEGROUND ON LEGS RACKS ETC	09/01/1988		08/01/1996

Map Identification Number 95 **APT HOUSE 1773 VYSE AVE** **Facility Id 2-201693** **Source: NYS DEC**
1773 VYSE AVE NY, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 743 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 07/07/2002
Owner Name: DAY LAWSON REALTY
Owner Address: 2207 WILSON AVE BX, NY 10469
Operator Name: WOLF POSALSKI Facility Phone #: (212) 655-4284
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	3000	ABOVEGROUND			

Map Identification Number 96 **APT HOWE 1769 VYSE AVE** **Facility Id 2-202959** **Source: NYS DEC**
1769 VYSE AVE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 777 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10459

Expiration Date of the facility's registration certificate: 07/10/2002
Owner Name: 1769 REALTY CORP
Owner Address: 2207 WILSON AVE BRONX, NY 10469
Operator Name: WOLF POSALSKI Facility Phone #: (212) 655-4284
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	2000	ABOVEGROUND			

Map Identification Number 97 **1816 CROTONA PARK EAST** **Facility Id 2-468479** **Source: NYS DEC**
1816 CROTONA PARK EAST BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 792 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 03/06/1999
Owner Name: NYC HOUSING PRESERV & DEVEL
Owner Address: 75 MAIDEN LANE NEW YORK, NY 10038

Operator Name: J. MARTINEZ Facility Phone #: (212) 617-7727
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	4000	ABOVEGROUND			

Map Identification Number 98 **895 FAIRMOUNT PLACE** **Facility Id 2-468673** **Source: NYS DEC**
895 FAIRMOUNT PLACE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 824 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 03/06/1999
Owner Name: NYC HOUSING PRESERV & DEVEL
Owner Address: 75 MAIDEN LANE NEW YORK, NY 10038
Operator Name: J. MARTINEZ Facility Phone #: (212) 617-7727
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	4000	ABOVEGROUND			

Map Identification Number 99 **940 EAST 174TH STREET** **Facility Id 2-469270** **Source: NYS DEC**
940 EAST 174TH STREET BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 852 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 03/28/1994
Owner Name: NYC HOUSING PRESERV & DEVEL
Owner Address: 75 MAIDEN LANE NEW YORK, NY 10038
Operator Name: NYC HOUSING PRESERV & DEVEL Facility Phone #: (212) 806-8565
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	ADMINISTRATIVELY CLOSED	#1 2 OR 4 FUEL OIL	2000	ABOVEGROUND ON LEGS RACKS ETC			01/01/1999

Map Identification Number 100 **940 EAST 174TH STREET** **Facility Id 2-481378** **Source: NYS DEC**
940 EAST 174TH STREET BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 852 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 07/27/2005
Owner Name: RTP MANAGEMENT CORP
Owner Address: 330 EAST 204TH STREET BRONX, NY 10467
Operator Name: JOSE POLANCO Facility Phone #: (718) 519-6900
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	2500	ABOVEGROUND			

Map Identification Number 101 **897 CROTONA PARK NORTH** **Facility Id 2-605689** **Source: NYS DEC**
897 CROTONA PARK NORTH BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 865 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 04/17/2006
Owner Name: 897 CROTONA PARK INC.
Owner Address: 1930 WEBSTER AVE. BRONX, NY 10457
Operator Name: CEASAR DIAZ Facility Phone #: (718) 294-1457
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
01	IN SERVICE	#1 2 OR 4 FUEL OIL	2000	ABOVEGROUND			

Map Identification Number 102 **CROTONA TRANSITIONAL RESIDENCE** **Facility Id 2-605718** **Source: NYS DEC**
897 CROTONA PARK NORTH BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 865 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 04/18/2006
Owner Name: HIRE INC (AGENT FOR OWNER)
Owner Address: 989 6TH AVE 12TH FLOOR NEW YORK, NY 10018

Operator Name: RAFAEL RIVERA Facility Phone #: (718) 893-2578
Facility Type: Other

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
1	IN SERVICE	#1 2 OR 4 FUEL OIL	2000	ABOVEGROUND			

Map Identification Number 103 **1898 LONGFELLOW HDFC** **Facility Id 2-605557** **Source: NYS DEC**
1898 LONGFELLOW AVENUE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 894 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 04/04/2006
Owner Name: 1898 LONGFELLOW HDFC
Owner Address: 1898 LONGFELLOW AVENUE BRONX, NY 10460
Operator Name: W. ROBERTO TULLES Facility Phone #: (718) 542-3717
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	2000	ABOVEGROUND			

Map Identification Number 104 **NSDP ASSOC. LLC** **Facility Id 2-605232** **Source: NYS DEC**
920 EAST 174TH STREET BRONX, NY 10469

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 894 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10460

Expiration Date of the facility's registration certificate: 02/20/2006
Owner Name: NSDP ASSOC. LLC
Owner Address: 145 EAST HOUSTON ST., #5A NEW YORK, NY 10002
Operator Name: SAUSTO MARTINEZ Facility Phone #: (212) 353-2657
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	5000	ABOVEGROUND			

Map Identification Number 105 **APT HOUSE** **Facility Id 2-267910** **Source: NYS DEC**
1933 DALY AVE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 895 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 07/10/2002
Owner Name: MENFORD REALTY CORP
Owner Address: 2207 WILSON AVE BRONX, NY 10469
Operator Name: WOLF POLALSKI Facility Phone #: (212) 655-4284
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	3500	ABOVEGROUND			

Map Identification Number 106 **APT HOUSE** **Facility Id 2-161233** **Source: NYS DEC**
922 ELSMERE PLACE NY, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 912 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 10/23/2002
Owner Name: RAYZEL REALTY CORP
Owner Address: 2207 WILSON AVENUE BX, NY 10469
Operator Name: WOLF POSALKI Facility Phone #: (212) 655-4284
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	2000	ABOVEGROUND			

Map Identification Number 107 **1922 CROTONA PARKWAY** **Facility Id 2-468215** **Source: NYS DEC**
1922 CROTONA PARKWAY BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 924 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 03/06/1994
Owner Name: NYC HOUSING PRESERV & DEVEL
Owner Address: 75 MAIDEN LANE NEW YORK, NY 10038

Operator Name: NYC HOUSING PRESERV & DEVEL Facility Phone #: (212) 806-8565
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	2000	ABOVEGROUND ON LEGS RACKS ETC			

Map Identification Number 108 **GOOD O'BEVERAGE COMPANY** **Facility Id 2-084646** **Source: NYS DEC**
1801 BOONE AVE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 926 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 03/24/1997
Owner Name: GOOD O'BEVERAGE COMPANY
Owner Address: 1801 BOONE AVE BRONX, NY 10460
Operator Name: GOOD O'BEVERAGE COMPANY Facility Phone #: (718) 328-6400
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	CLOSED-CONV NON-REG USE	#1 2 OR 4 FUEL OIL	1000	UNDERGROUND			08/01/1996
002	CLOSED-IN PLACE	#1 2 OR 4 FUEL OIL	2000	UNDERGROUND		01/01/1988	01/01/1997

Map Identification Number 109 **DAMA ASSOC** **Facility Id 2-293652** **Source: NYS DEC**
1915 SOUTHERN BLVD BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 926 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 07/14/1992
Owner Name: DANIEL ANDREJCZUK DBA DAMA ASS
Owner Address: 141-14 NORTHERN BLVD FLUSHING, NY 11354
Operator Name: HIGHWAY UTILITIES CO Facility Phone #: (718) 961-8000
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	1500	ABOVEGROUND			

Map Identification Number 110 **985 EAST 174TH ST** **Facility Id 2-234559** **Source: NYS DEC**
985 EAST 174TH ST BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 970 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 07/10/2002
Owner Name: EAST 165 & 174 STS REALTY CORP
Owner Address: 621 TIFFANY ST BRONX, NY 10474
Operator Name: SINNOTT MANAGEMENT CO Facility Phone #: (718) 542-5080
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	2000	ABOVEGROUND	12/01/1963		

Map Identification Number 111 **1950 BRYANT AVENUE** **Facility Id 2-480789** **Source: NYS DEC**
1950 BRYANT AVENUE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1023 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 05/29/2005
Owner Name: BEDFORD GUTHRIE MANAGEMENT
Owner Address: PO BOX 429 GREENLAWN, NY 11740
Operator Name: ARSENIO TORRES Facility Phone #: (718) 542-4280
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	4000	ABOVEGROUND			

Map Identification Number 112 **TINY FIESTA REALTY** **Facility Id 2-235490** **Source: NYS DEC**
1950 DALY AVENUE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1043 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 08/14/2000
Owner Name: LOUIS BOMBART
Owner Address: 117 WEST 70TH STREET NEW YORK, NY 10023

Operator Name: M. MENDEZ Facility Phone #: (718) 893-3424
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	5000	ABOVEGROUND			

Map Identification Number 113 **CROTONA VI REDEVELOPMENT CO** **Facility Id 2-110345** **Source: NYS DEC**
1695 HOE AVE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1091 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 05/07/2002
Owner Name: URBAN HOME OWNERSHIP CORP.
Owner Address: 370 7TH AVE., 16TH FLOOR NEW YORK, NY 10001
Operator Name: LEVI BALLARD Facility Phone #: (212) 842-9505
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	7500	ABOVEGROUND ON LEGS RACKS ETC			

Map Identification Number 114 **H.P.D.** **Facility Id 2-601294** **Source: NYS DEC**
1003-05 EAST 174TH STREET BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1114 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 1003 E 174TH ST
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 12/23/1997
Owner Name: H.P.D,/TIL PROGRAM
Owner Address: 150 WILLIAM STREET ,5TH FLOOR NEW YORK, NY 10038
Operator Name: JESSIE DAWSON Facility Phone #: (718) 542-3438
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	4950	ABOVEGROUND ON LEGS RACKS ETC			

Map Identification Number 115 **1687 HOE AVE** **Facility Id 2-320846** **Source: NYS DEC**
1687 HOE AVE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1124 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 08/28/2002
Owner Name: AUDLEY BENT
Owner Address: 955 E 163 ST BRONX, NY 10460
Operator Name: AUDLEY BENT Facility Phone #: (212) 328-6099
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	5000	ABOVEGROUND			

Map Identification Number 116 **M B D II ASSO** **Facility Id 2-150754** **Source: NYS DEC**
1717 VYSE AVE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1132 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 06/18/2002
Owner Name: M B D II ASSO
Owner Address: 955 E 16ORD ST BRONX, NY 10460
Operator Name: AUDLEY BENT Facility Phone #: (212) 328-6099
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	4000	ABOVEGROUND			

Map Identification Number 117 **M B D III ASOC** **Facility Id 2-155071** **Source: NYS DEC**
1717 VYSE AVE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1132 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 06/05/2002
Owner Name: M B D III ASSOC
Owner Address: 955 E 163 ST BRONX, NY 10460

Operator Name: AUDLEY BENT Facility Phone #: (212) 328-6099
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	4000	ABOVEGROUND			

Map Identification Number 118 **ENGINE 45 / LADDER 58** **Facility Id 2-601791** **Source: NYS DEC**
925 EAST TREMONT AVENUE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1149 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 03/16/2004
Owner Name: F.D.N.Y.
Owner Address: 9 METROTECH CENTER BROOKLYN, NY 11201-3857
Operator Name: COMPANY OFFICER Facility Phone #: (718) 430-0245
Facility Type: Other

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	2500	ABOVEGROUND			
002	CLOSED-IN PLACE	UNLEADED GASOLINE	275	UNDERGROUND	08/01/1997		08/01/1997
002	CLOSED-IN PLACE	UNLEADED GASOLINE	275	UNDERGROUND	08/01/1997		08/01/1997
002	CLOSED-IN PLACE	UNLEADED GASOLINE	275	UNDERGROUND	08/01/1997		08/01/1997
002	CLOSED-IN PLACE	UNLEADED GASOLINE	275	UNDERGROUND	08/01/1997		08/01/1997
002	CLOSED-IN PLACE	UNLEADED GASOLINE	275	UNDERGROUND	08/01/1997		08/01/1997
002	CLOSED-IN PLACE	UNLEADED GASOLINE	275	UNDERGROUND	08/01/1997		08/01/1997
003	CLOSED-IN PLACE	UNLEADED GASOLINE	1000	UNDERGROUND	08/01/1997		08/01/1997
003	CLOSED-IN PLACE	UNLEADED GASOLINE	1000	UNDERGROUND	08/01/1997		08/01/1997
003	CLOSED-IN PLACE	UNLEADED GASOLINE	1000	UNDERGROUND	08/01/1997		08/01/1997
003	CLOSED-IN PLACE	UNLEADED GASOLINE	1000	UNDERGROUND	08/01/1997		
003	CLOSED-IN PLACE	UNLEADED GASOLINE	1000	UNDERGROUND	08/01/1997		08/01/1997
004	CLOSED-IN PLACE	DIESEL	1000	UNDERGROUND	08/01/1997		08/01/1997
004	CLOSED-IN PLACE	DIESEL	1000	UNDERGROUND	08/01/1997		08/01/1997
004	CLOSED-IN PLACE	DIESEL	1000	UNDERGROUND	08/01/1997		08/01/1997
004	CLOSED-IN PLACE	DIESEL	1000	UNDERGROUND	08/01/1997		08/01/1997
005	IN SERVICE	DIESEL	1000	ABOVEGROUND ON LEGS RACKS ETC	08/01/1997	08/01/1997	
005	CLOSED-IN PLACE	DIESEL	1000	UNDERGROUND	08/01/1997	08/01/1997	08/01/1997

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
UNLEADED GASOLINE	113373000	X	X			X	
DIESEL	68334305	X	X			X	

Map Identification Number 119 **846 E 175TH ST** **Facility Id 2-399523** **Source: NYS DEC**
846 E 175 ST BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1189 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 846 E 175TH ST
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 10/06/2002
Owner Name: 846 E 175 REALTY CO
Owner Address: 1488 E 8ST BROOKLYN, NY 11230
Operator Name: WILLIAM JUSTINO Facility Phone #: (718) 339-9138
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	2000	ABOVEGROUND			

Map Identification Number 120 **1941 SOUTHERN BOULEVARD** **Facility Id 2-469637** **Source: NYS DEC**
1941 SOUTHERN BOULEVARD BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1196 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 03/28/1999
Owner Name: CITY OF NEW YORK H.P.D.
Owner Address: 75 MAIDEN AVENUE NEW YORK, NY 10038
Operator Name: J. MARTINEZ Facility Phone #: (212) 617-7727
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	2000	ABOVEGROUND			

Map Identification Number 121 **1715-17 BRYANT AVENUE** **Facility Id 2-600257** **Source: NYS DEC**
1715-17 BRYANT AVENUE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1203 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 1715 BRYANT AV
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 08/08/2006
Owner Name: M.B.D. III C/O P.R.C.
Owner Address: 955 EAST 163RD STREET BRONX, NY 10459
Operator Name: JOSE NIEVES Facility Phone #: (718) 617-4528
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	5000	ABOVEGROUND			

Map Identification Number 122 **MURPHY CONSOLIDATED** **Facility Id 2-473545** **Source: NYS DEC**
1700 HOE AVENUE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1210 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 03/28/2004
Owner Name: NYC HOUSING AUTHORITY
Owner Address: 250 BROADWAY NEW YORK, NY 10007
Operator Name: RAFAEL VELEZ Facility Phone #: (212) 306-3142
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	7500	UNDERGROUND	12/01/1970		

Map Identification Number 123 **1809 MARMION AVENUE** **Facility Id 2-467944** **Source: NYS DEC**
1809 MARMION AVENUE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1233 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 05/14/2004
Owner Name: DADILA PENA DE VELEZ
Owner Address: 1912 CROTONA PARKWAY BRONX, NY 10460

Operator Name: DADILA PENA DE VELEZ Facility Phone #: (718) 842-6440
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	5000	ABOVEGROUND			

Map Identification Number 124 **1801 MARMION AVENUE** **Facility Id 2-469025** **Source: NYS DEC**
1801 MARMION AV BX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1241 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 03/06/1994
Owner Name: NYC HPD
Owner Address: 75 MAIDEN LANE NYC, NY 10038
Operator Name: PIJUSH LODH Facility Phone #: (212) 806-8091
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	2500	ABOVEGROUND			

Map Identification Number 125 **PUBLIC SCHOOL 6** **Facility Id 2-606244** **Source: NYS DEC**
1000 EAST TREMONT AVENUE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1245 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 07/10/2006
Owner Name: N.Y.C. BOARD OF EDUCATION
Owner Address: 28-11 QUEENS PLAZA NORTH LONG ISLAND CITY, NY 11101
Operator Name: PLANT OPERATION Facility Phone #: (718) 391-6000
Facility Type: School

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	4000	ABOVEGROUND ON LEGS RACKS ETC	01/01/1991		
002	IN SERVICE	#1 2 OR 4 FUEL OIL	4000	ABOVEGROUND ON LEGS RACKS ETC	01/01/1991		

Map Identification Number 126 **COLISEUM BUS DEPOT** **Facility Id 2-190349** **Source: NYS DEC**
1000 EAST TREMONT AVE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1245 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 06/05/1997
Owner Name: NYC TRANSIT AUTHORITY
Owner Address: 370 JAY ST ROOM 809 BROOKLYN, NY 11201
Operator Name: NYC TRANSIT AUTHORITY Facility Phone #: (718) 240-3179
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	CLOSED-RMVD FROM GROUND	#1 2 OR 4 FUEL OIL	20000	UNDERGROUND VAULTED W/ ACCESS	12/01/1952	01/01/1991	10/01/1996
002	CLOSED-IN PLACE	DIESEL	5000	UNDERGROUND VAULTED W/ ACCESS	12/01/1952	01/01/1991	10/01/1996
003	CLOSED-IN PLACE	DIESEL	5000	UNDERGROUND VAULTED W/ ACCESS	12/01/1952	01/01/1991	10/01/1996
004	CLOSED-RMVD FROM GROUND	LUBE OIL	1000	ABOVEGROUND	12/01/1952		11/01/1996
005	CLOSED-RMVD FROM GROUND	OTHER	1000	ABOVEGROUND	12/01/1952		11/01/1996
006	CLOSED-RMVD FROM GROUND	LUBE OIL	550	ABOVEGROUND	12/01/1952		11/01/1996
007	CLOSED-RMVD FROM GROUND	OTHER	300	ABOVEGROUND	12/01/1952		11/01/1996
008	CLOSED-RMVD FROM GROUND	LUBE OIL	300	ABOVEGROUND	12/01/1952		11/01/1996
009	CLOSED-RMVD FROM GROUND	OTHER	1000	ABOVEGROUND	06/01/1988		11/01/1996
010	CLOSED-RMVD FROM GROUND	DIESEL	10000	ABOVEGROUND	03/01/1992		10/01/1995
011	CLOSED-RMVD FROM GROUND	DIESEL	10000	ABOVEGROUND	03/01/1992		10/01/1995

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
DIESEL	68334305	X	X			X	

Map Identification Number 127 **3092 REALTY CORPORATION** **Facility Id 2-332836** **Source: NYS DEC**
1956 CROTONA PKY BX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1252 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 08/28/2002
Owner Name: 3092 REALTY CORPORATION
Owner Address: 330 E 204TH ST BX, NY 10467

Operator Name: JACINTO REYES Facility Phone #: (718) 519-6900
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	4500	ABOVEGROUND ON LEGS RACKS ETC			

Map Identification Number 128 **1956 CROTONA PARKWAY** **Facility Id 2-468223** **Source: NYS DEC**
1956 CROTONA PARKWAY BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1252 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 03/06/1994
Owner Name: NYC HOUSING PRESERV & DEVEL
Owner Address: 75 MAIDEN LANE NEW YORK, NY 10038
Operator Name: NYC HOUSING PRESERV & DEVEL Facility Phone #: (212) 806-8565
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	4500	ABOVEGROUND			

Map Identification Number 129 **I.S. 167** **Facility Id 2-352314** **Source: NYS DEC**
1970 WEST FARMS ROAD BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1252 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 06/28/2003
Owner Name: NEW YORK CITY BD. OF ED.
Owner Address: 28-11 QUEENS PLAZA NORTH LONG ISLAND CITY, NY 11101
Operator Name: PLANT OPERATION Facility Phone #: (718) 391-6000
Facility Type: School

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#5 OR 6 FUEL OIL	10000	ABOVEGROUND ON LEGS RACKS ETC			
002	IN SERVICE	#5 OR 6 FUEL OIL	10000	ABOVEGROUND ON LEGS RACKS ETC			

Map Identification Number 130 **MURPHY CONSOLIDATED** **Facility Id 2-473537** **Source: NYS DEC**
1705 BRYANT AVENUE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1264 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 03/28/2004
Owner Name: NYC HOUSING AUTHORITY
Owner Address: 23-02 49TH AVENUE LONG ISLAND CITY, NY 11101
Operator Name: LUIS PONCE Facility Phone #: (718) 707-5725
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
1	IN SERVICE	#1 2 OR 4 FUEL OIL	7500	UNDERGROUND	08/01/1972	05/21/1999	
The following tank(s) were either deleted from the reported data or the number was re-assigned.							
001	IN SERVICE	#1 2 OR 4 FUEL OIL	7500	UNDERGROUND	08/01/1972	09/01/1990	

Map Identification Number 131 **BOSTON ROAD HDFC INC** **Facility Id 2-145084** **Source: NYS DEC**
1681 BOSTON ROAD BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1280 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 07/10/2002
Owner Name: URBAN HOME OWNERSHIP CORP
Owner Address: 370 7TH AVE NEW YORK, NY 10001
Operator Name: E MANTINEZ Facility Phone #: (212) 991-0380
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	5000	ABOVEGROUND ON LEGS RACKS ETC	08/01/1955		

Map Identification Number 132 **ELGATE** **Facility Id 2-237418** **Source: NYS DEC**
866 ELSMERE PL BX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1280 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 07/20/1992
Owner Name: ELGATE REALTY CO
Owner Address: 3607 E TREMONT AVE BX, NY 10465
Operator Name: FABIO MONEGRO Facility Phone #: (212) 328-8456
Facility Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#5 OR 6 FUEL OIL	5000	ABOVEGROUND 1/10 BELOW GROUND			

Map Identification Number 133 **1016 EAST 174TH STREET** **Facility Id 2-328383** **Source: NYS DEC**
1016 EAST 174TH STREET BX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1285 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 10/02/2002
Owner Name: NIVRAM REALTY CORP
Owner Address: 2260 OLINVILLE AVENUE C-9 BRONX, NY 10467
Operator Name: RANDY LUGO Facility Phone #: (917) 782-7131
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	4500	ABOVEGROUND ON LEGS RACKS ETC			

Map Identification Number 134 **MBD II ASSO** **Facility Id 2-152773** **Source: NYS DEC**
1693 VYSE AVE BX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1296 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 08/26/2002
Owner Name: MBD II ASSO
Owner Address: 955 E 163 ST BRONX, NY 10459
Operator Name: AUDLEY BENT Facility Phone #: (212) 328-6099
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	4000	ABOVEGROUND			

Map Identification Number 135 **1010 E TREMONT REALTY CORP** **Facility Id 2-289515** **Source: NYS DEC**
1010 E TREMONT AVE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1296 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 09/19/2002
Owner Name: 1010 E TREMONT REALTY CORP
Owner Address: PO BOX 1103 JACKSON HEIGHTS, NY 11372
Operator Name: MANUEL SERRANO Facility Phone #: (718) 542-4280
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	IN SERVICE	#1 2 OR 4 FUEL OIL	3500	ABOVEGROUND			

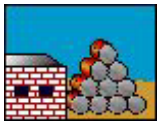
Map Identification Number 136 **1674 BOSTON ROAD** **Facility Id 2-606829** **Source: NYS DEC**
1674 BOSTON RD BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1316 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Expiration Date of the facility's registration certificate: 08/27/2006
Owner Name: NYC/HPD/DAMP
Owner Address: 100 GOLD ST # 7Z5 NEW YORK, NY 10038
Operator Name: ASST. COMMISSIONER/DAMP Facility Phone #: (212) 863-7301
Facility Type: Apartment Building

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
01	IN SERVICE	#1 2 OR 4 FUEL OIL	5000	ABOVEGROUND			



**** HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS ****

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 137 **NYCDOT - WEST FARMS DEPOT** **Facility Id: NYD980642367**
1801-1825 BOSTON RD BRONX, NY 11201
EPA (RCRA) Name: NYCTA
EPA (RCRA) Address: 1801-1825 BOSTON RD BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 0 feet

ADDRESS CHANGE INFORMATION
Revised street: 1801-1825 BOSTON ROAD
Revised zip code: 10460

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Notification date: 05/21/1982 Part A notification date: 05/21/1982
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:
LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D001	Solid waste that exhibits the characteristic of ignitability	1426	POUNDS	GENERATED	1990
D006	Cadmium	3925	GALLONS	GENERATED	1990
D007	Chromium	110	GALLONS	GENERATED	1990
F001	Spent halogenated solvents used in degreasing	310	GALLONS	GENERATED	1988
X726	Unknown waste type.	5400	GALLONS	GENERATED	1986
F002	Spent halogenated solvents	1045	GALLONS	GENERATED	1984

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Cadmium	7440439	X	X	X	X		.010mg/L*
Chromium	7440473	X	X				50ug/L*

Map Identification Number 138 **ARTHUR FRISCH COMPANY INCORPORATED** **Facility Id: NYD986925741**
1816 BOSTON POST ROAD BRONX, NY 10460
EPA (RCRA) Name: ARTHUR FRISCH CO INC
EPA (RCRA) Address: 1816 BOSTON RD BRONX, NY 104604909

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 202 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 1816 BOSTON ROAD
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: 05/20/1991
Incinerator:
Transporter:

Part A notification date: 05/20/1991

Historically listed as the following USEPA RCRA Generator Size(s) as well:
SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D002	Solid waste that exhibits the characteristic of corrosivity	330	GALLONS	GENERATED	1994

Map Identification Number 139 **CONSOLIDATED EDISON** **Facility Id: NYP004005955**
V 1633 - 1816 BOSTON RD QUEENS, NY 11400
EPA (RCRA) Name: CON ED V 1633
EPA (RCRA) Address: F/O 1816 BOSTON RD BRONX, NY 104600000

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 202 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 1816 BOSTON RD
Revised zip code: 10460

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: 0
Incinerator:
Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
B003	Petroleum oil or other liquid containing 500 ppm or greater of PCBs.	875	KILOGRAMS	GENERATED	1997

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Petroleum oil or other liquid containing 500 ppm or greater	1336363	X	X		X		5 ug/L

Map Identification Number 140 **WEST NEW YORK RESTORATION INC** **Facility Id: NYR000110999**
1797 VYSE AVE BRONX, NY 10460
EPA (RCRA) Name: WEST NEW YORK RESTORATION INC
EPA (RCRA) Address: 1797 VYSE AVE BRONX, NY 104605001

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 534 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: SMALL QUANTITY GENERATOR
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: 12/23/2002
Incinerator:
Transporter:
Part A notification date: 12/23/2002

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported to NYS.				

Map Identification Number 141 **BRONXVILLE SCHOOL** **Facility Id: NYD986963098**
177 PONDFIELD RD BRONXVILLE, NY 10708
EPA (RCRA) Name: A C A AMOCO #581
EPA (RCRA) Address: 1776 SOUTHERN BLVD BRONX, NY 104604809

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 603 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 1776 SOUTHERN BLVD
Revised zip code: 10460

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: 06/27/1991
Incinerator:
Transporter:
Part A notification date: 06/27/1991

Historically listed as the following USEPA RCRA Generator Size(s) as well:
SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	30	POUNDS	GENERATED	2001

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 142 **HILLS CLEANERS** **Facility Id: NYD986258903**
985 EAST 174TH STREET BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 970 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F002	Spent halogenated solvents	70	POUNDS	GENERATED	1994

Map Identification Number 143 **CLEAN BRIGHT CLEANERS** **Facility Id: NYD064953441**
1899 WEST FARMS ROAD BRONX, NY 10460
EPA (RCRA) Name: CLEAN BRIGHT PROCESS CO INC
EPA (RCRA) Address: 1899 W FARMS RD BRONX, NY 104606026

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1118 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: 06/07/1985
Incinerator:
Transporter:
Part A notification date: 06/07/1985

Historically listed as the following USEPA RCRA Generator Size(s) as well:
LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F002	Spent halogenated solvents	315	POUNDS	GENERATED	1993

Map Identification Number 144 **DOVER CLEANERS** **Facility Id: NYD987014701**
1701 BOSTON RD BRONX, NY 10462
EPA (RCRA) Name: DOVER CLEANERS
EPA (RCRA) Address: 1701 BOSTON RD BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1166 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10460

US EPA RCRA Type: SMALL QUANTITY GENERATOR
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: 09/18/1992
Incinerator:
Transporter:
Part A notification date: 09/18/1992

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
F002	Spent halogenated solvents	60	POUNDS	GENERATED	2003

Map Identification Number 145 **NYC BOARD OF EDUCATION - PS 6** **Facility Id: NYR000009415**
1000 E TREMONT AVENUE BRONX, NY 10460
EPA (RCRA) Name: NYC BD OF ED - PUBLIC SCHOOL 6 BRONX
EPA (RCRA) Address: 1000 E TREMONT AVE BRONX, NY 10460

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1245 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR Notification date: 07/27/1995 Part A notification date: 07/27/1995
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	200	POUNDS	GENERATED	1995

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 146 **PUBLIC SCHOOL IS 167X** **Facility Id: NYR000021980**
1970 W FARM RD BRONX, NY 10460
EPA (RCRA) Name: PUBLIC SCHOOL IS 167X
EPA (RCRA) Address: 1970 W FARM RD BRONX, NY 104606024

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1252 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 1970 W. FARMS RD
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN Notification date: 04/05/1996 Part A notification date: 04/05/1996
Land Disposal: Receives offsite waste: Incinerator:
Storer: Treatment facility: Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:
SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported to NYS.				

Map Identification Number 147 **INTERSTATE TRANSPORT INC** **Facility Id: NYR000082438**
1010 E TREMONT AVE BRONX, NY 10464
EPA (RCRA) Name: INTERSTATE TRANSPORT INC
EPA (RCRA) Address: 1010 E TREMONT AVE BRONX, NY 10464

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1296 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10460

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: 05/12/2000 Part A notification date: 05/12/2000
Incinerator:
Transporter: YES

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recent year reported.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported to NYS.				

**** NO CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS ****

**** TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS ****

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 148 **ARTHUR FRISCH CO. INC.**
1816 BOSTON RD. BRONX, NY 10460
Mail Name:
Mail Address: BRONX, NY 10460

EPA Tri Id: 10460RTHRF1816B
NYSDEC Facility Id: 600050
SOURCE: EPA

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 204 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

EPA Facility Status: CLOSED
Public Contact: ELLIOT J. SHAPIRO P.E.
Public Contact Phone #: (718) 531-8400

CHEMICAL NAME	AMOUNT (LBS/YR)	YEAR	RELEASE TYPE	MAXIMUM AMOUNT STORED (LBS)
1,1,1-TRICHLOROETHANE	1903	1993	Fugitive or non-point air emissions	1000 to 9999
1,1,1-TRICHLOROETHANE	17131	1993	Stack or Point air emissions	1000 to 9999
XYLENE (MIXED ISOMERS)	12964	1989	Stack or Point air emissions	1000 to 9999
XYLENE (MIXED ISOMERS)	250*	1988	Fugitive or non-point air emissions	1000 to 9999

* The mid-point of at least one range was used to calculate this quantity

**** NO HISTORIC UTILITY SITES IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS ****

**** NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/4 MILE SEARCH RADIUS ****

**** AIR DISCHARGE FACILITIES IDENTIFIED WITHIN THE 1/4 MILE SEARCH RADIUS ****

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 149 **ARTHUR FRISCH CO INC** **Facility Id: 36005N0002** **State-county CDS Id: 36005N0002**
1816 BOSTON ROAD BRONX, NY 10460 State-county NED id:

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 204 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

CDS-ID: N0002 NED-ID: None Given EPA-ID: None Given FINDS-ID: None Given
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification:
State Classification:
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE - INSPECTION

AIR PROGRAM INFORMATION
Regulatory Air Program: SIP SOURCE Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: FACILITY-WIDE PERMIT REQUIREMENTS
State Pollutant Compliance for this pollutant: IN COMPLIANCE - INSPECTION

Map Identification Number 150 **ARTHUR FRISCH CO INC.** **Facility Id: NY005X0NP** **State-county CDS Id:**
1816 BOSTON ROAD BRONX, NY 104604909 State-county NED id: 36005X0NP
EPA (FINDS) Name: ARTHUR FRISCH CO INC.
EPA (FINDS) Address: 1816 BOSTON ROAD BRONX 104604909

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 204 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

CDS-ID: None Given NED-ID: X0NP EPA-ID: NYD986925741 FINDS-ID: NYD986925741
Plant Phone #1: None Given Plant Phone #2: (212)589-4100
Operating Status:
EPA Classification:
State Classification:
EPA Plant Compliance Status:
State Plant Compliance Status:

AIR PROGRAM INFORMATION
No air program information given.

POLLUTANT INFORMATION
No air pollutant information given.

Map Identification Number 151 **ATLANTIC ROLLING STEEL DOOR CORP.** **Facility Id: 36005P000N** **State-county CDS Id: 36005P000N**
1903 WEST FARMS ROAD BRONX, NY 10460 State-county NED id:

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1130 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

CDS-ID: P000N NED-ID: None Given EPA-ID: None Given FINDS-ID: None Given
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification:
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE - CERTIFICATION

AIR PROGRAM INFORMATION
Regulatory Air Program: SIP SOURCE Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: VOLATILE ORGANIC COMPOUNDS
State Pollutant Compliance for this pollutant: IN COMPLIANCE - CERTIFICATION

Map Identification Number 152 **DOVER CLEANERS** **Facility Id: 3600500424** **State-county CDS Id: 3600500424**
1703 BOSTON ROAD BRONX, NY 10457 State-county NED id:

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1154 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10460

CDS-ID: 00424 NED-ID: None Given EPA-ID: None Given FINDS-ID: None Given
Plant Phone #1: None Given Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
State Classification: CLASS IS UNKNOWN
EPA Plant Compliance Status:
State Plant Compliance Status: NO APPLICABLE STATE REGULATION

AIR PROGRAM INFORMATION
Regulatory Air Program: MACT (SECTION 63 NESHAPS) Program Status: OPERATING

POLLUTANT INFORMATION
Pollutant: TETRACHLOROETHYLENE (PERCHLOROETHYLENE)
State Pollutant Compliance for this pollutant: NO APPLICABLE STATE REGULATION

**** NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/4 MILE SEARCH RADIUS ****

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF
1825 Boston Rd
Bronx, NY 10460

* Any ERNS Spills listed below are NOT mapped in this report *

ONSITE ERNS (A count of these spills can be found in the distance interval table):
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

POTENTIALLY ONSITE ERNS:
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

NEW YORK CITY FIRE DEPARTMENT TANK SEARCH
AT THE LOCATION OF
1825 Boston Rd
Bronx, NY 10460

None Identified.

 April 29, 2005 '1825 Boston Rd'

Unmappable facilities for 'Bronx' County

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
03C01	BRONX FRONTIER COMPOSTING			UNKNOWN
03D05	SOUTH BRONX MARINE DEMO			UNKNOWN
03T03				UNKNOWN
03T04	REALTY TRS. STA.			UNKNOWN
03T06	LEE-BIN T.S.			UNKNOWN
03T10	A.L.A LAND DEVELOP TRS.ST			UNKNOWN
03T11	BEM CONTRACTING TRANS STA			UNKNOWN
03T35	UNIVERSAL DEMO RECYCLING			UNKNOWN
03V40	ECCO-SUBURBAN CARTING			UNKNOWN
03W78	FELIX RECYCLING FILL MATE			UNKNOWN
03W86	VINCENT RUSCIANO CONTRUCT			UNKNOWN
		164TH ST	BRONX	UNKNOWN
		BOTTNER AVE.	BRONX	UNKNOWN
		HERIOT AVE	BRONX	UNKNOWN
		21B GARAGE	BRONX	UNKNOWN
		168TH & RANDALLS AVE.	BRONX	UNKNOWN
		BOTANICAL GARDENS BRONX PARK	BRONX	UNKNOWN

Hazardous Spills - TANK FAILURES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9309517	HIGHWAY PATROL PRECINT # 1 NYPD -DDC	BRONX RIVER PARKWAY	BRONX	UNKNOWN
9210469	180TH STREET	180TH STREET	BRONX	UNKNOWN
0405805		447 BRONZE AVE	BRONX	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9812912	SERVICE BOX 5550	ELMONT	BRONX	UNKNOWN
9309265		83-91 MACOMB'S PLACE	BRONX	UNKNOWN
0411348	VAULT #VS1664	EAST SIDE OF SOUTHERN BOU	BRONX	UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9505537	HONEYWELL & MICHIGAN AVE	HONEYWELL & MICHIGAN AVE	BRONX	10460
9412838	34 MT MORRIS PARKWAY	34 MT MORRIS PARKWAY	BRONX	UNKNOWN
0410994	SCHOOL	149 EAST MARSHUNER PKWY	BRONX	UNKNOWN
0310642	HELLGATE SUBSTATION NORTH	EAST 179 ST.	BRONX	UNKNOWN
0208071	IN A GARAGE	4168 9TH AV	BRONX	UNKNOWN
0003714	PHELAM YARD MAIN TRACK	MILE POST E-15	BRONX	UNKNOWN
9606764	FEEDER #71	DUNWOODIE TO RAINEY	NEW YORK CITY	UNKNOWN

Hazardous Spills - TANK FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9315220	900 SETELEY	900 SETELEY	BRONX	UNKNOWN
0003047	PARKING LOT	AUSTIN RD/DYER AVE	BRONX	UNKNOWN
8600057	TEXACO/BOSTN POST RDBRONX	INTERSCTN.-BOSTON POST RD	NEW YORK CITY	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9500889	1419 MORNS AVENUE	1419 MORNS AVENUE	BRONX	UNKNOWN
8809318	CLOSED-LACKOF RECENT INFO	(NO STREET INFO)	BRONX	UNKNOWN
9006707	EAST TREMONT AVE/EXXON	EAST TREMONT AVENUE	NEW YORK CITY	UNKNOWN
8906869	CLOSED-LACKOF RECENT INFO	EAST TREMONT STREET	NEW YORK CITY	UNKNOWN

Hazardous Spills – UNKNOWN CAUSE OR OTHER CAUSES – Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8606271	RAW SEWAGE ITEM #932			UNKNOWN
9913978	BRONX EXPRESSWAY	SERVICE RD	BRONX	UNKNOWN
9913273	MH 23199	HARROD AVE /EAST 177TH	BRONX	UNKNOWN
9906166	HARLEM RIVER	YONKERS BORDER	BRONX	UNKNOWN
9905027	MANHOLE 138 ON BAINBRIDGE	AVE 510 FT OF N CORNER	BRONX	UNKNOWN
9903392	MAN HOLE #5952	E 123RD ST & ALEXANDER ST	BRONX	UNKNOWN
9808302	VAULT 3044	EAST 179 STREET	BRONX	UNKNOWN
9802285	MANHOLE #26954	SERVICE RD/TREEMONT AVE	BRONX	UNKNOWN
9713244	DEPT SANITAION	NEAR PLAZA MATERIALS	BRONX	UNKNOWN
9611109	CROTON AQUADUCT	CROTON AQUADUCT	BRONX	UNKNOWN
9601923	SEWER TRAP	1 WEST FARMS SQ	BRONX	10460
9515857	1227 PINTON AVE	1227 PINTON AVE	BRONX	UNKNOWN
9502018	CROSS BX EPWY & ROSA AVE	CROSS BX EPWY / ROAS AVE	BRONX	UNKNOWN
9416011	APARTMENT BLDG.	USS MORRISON AVE. B4	BRONX	UNKNOWN
9415281	UNK	UNKNOWN	BRONX	UNKNOWN
9315186	BRONX RIVER AVENUE	BRONX RIVER AVENUE	BRONX	UNKNOWN
9312983	PROSPECT AVENUE	PROSPECT AVENUE	BRONX	UNKNOWN
8504703	NEW WINDSOR BRONX	NEW WINDSOR BRONX	BRONX	UNKNOWN
8503365	BRONX	BRONX	BRONX	UNKNOWN
8503141	BRONX	BRONX	BRONX	UNKNOWN
8200095	E. TREMONT ST.,BX	E. TREMONT ST.	BRONX	UNKNOWN
8100079			BRONX	UNKNOWN
0410879	METRO NORTH HUDSON LINE	MORRIS HGTS	BRONX	UNKNOWN
0404877	MANHOLE #26532	PARK CHESTER SUBSTATION	BRONX	UNKNOWN
0404427	MANHOLE 22192	BRYANT AVE	BRONX	UNKNOWN
0403511	BRONX RIVER	S. OF TREEMONT AVE.	BRONX	UNKNOWN
0402984	NYC DEP FACILITY	BRONX GRIT CHAMBER	BRONX	UNKNOWN
0400611	OUTFALL PIPE CS	TREEMONT AVE	BRONX	10460
0302895	SHORT DR	LAFFETT AVE	BRONX	UNKNOWN
0207168	VAULT #0495	55 N CRESTON AVE	BRONX	UNKNOWN
0206047	POLE #18898	EDGEWATER PARK	BRONX	UNKNOWN
0205910	LONG ISLAND SOUND	E. END OF BOUND ST	BRONX	UNKNOWN
0203502	MANHOLE TM1030	E 181ST ST	BRONX	UNKNOWN
0200576	EAST TREMONT AVE & 40TH	EAST TREMONT AVE & 40TH	BRONX	UNKNOWN
0130027	BRONX RIVER PARK	EAST 179TH STREET	BRONX	10460
0100318	HARLEM RIVER	NEAR HAMILTON AVE BRIDGE	BRONX	UNKNOWN
0009889	I295 BETWEEN I95 TO TOLL	BOOTH	BRONX	UNKNOWN
0009192	MANHOLE #20755	OPP 371 PARK AVE	BRONX	UNKNOWN
0007560	SB BROOKLYN EXPRESSWAY	AT EAST TREMONT AVE	BRONX	UNKNOWN
0006396	GETTY STATION (VACANT)	3501 FOSTER RD	BRONX	UNKNOWN
0004934	VAULT 2052	THERIOT AVE/ASTORIA AVE	BRONX	UNKNOWN
9209502	UNK	UNK	NEW YORK	UNKNOWN
9008201	RR YD//OLD HIGH BRIDGE/BX	RR YD/OLD HIGH BRIDGE	NEW YORK CITY	UNKNOWN
8905093	CROSS BRONX EXPWY/BX	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8607915	NEW YORK CITYF		NEW YORK CITY	UNKNOWN
8603024	BRONX	BRONX	NEW YORK CITY	UNKNOWN
9304812	176ST & HRD–REGULATOR #52	176ST & HRD–REGULATOR #52	NYC	UNKNOWN

Hazardous Spills – MISC. SPILL CAUSES – Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9913976	CROSS–BRONX EXPRESSWAY	SERVICE ROAD	BRONX	UNKNOWN
9912664	WEST CAMBRIDGE &	BAILEYS AV	BRONX	UNKNOWN
9911775	ON 181ST ST	IFO WEST GATE HOUSE	BRONX	UNKNOWN
9900490		4375 BRONX AVE	BRONX	UNKNOWN
9900067		EDFORD BLVD?/SOUTHERN BLV	BRONX	UNKNOWN
9811600		3243 CHALL AVE	BRONX	UNKNOWN
9804474	EAST BOUND LN	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
9711348	BAYSIDE FUEL	1975 FREDERICK AVE	BRONX	UNKNOWN

9709352	METRO-NORTH RAILROAD	HUDSON LINE TR#4 MIL 7.5	BRONX	UNKNOWN
9512039	2934 VENTON AVE	2934 VENTON AVE	BRONX	UNKNOWN
9502949	2417 BALTIC AVENUE	2417 BALTIC AVENUE	BRONX	UNKNOWN
9501561	CROSS BRONX EXPWY	CROSS BRONX EXPWY	BRONX	UNKNOWN
9414961	448 CUSLOGA AVENUE	448 CUSLOGA AVE	BRONX	UNKNOWN
9411935	1821 FAIRVIEW AVENUE	1821 FAIRVIEW AVENUE	BRONX	UNKNOWN
9404921	41 BENNET AVENUE	41 BENNETT AVENUE	BRONX	UNKNOWN
9400698	1667 EAST 731 STREET	667 EAST 731 STREET	BRONX	UNKNOWN
9314217	3100 HEATHER AVE	3100 HEATHER AVE	BRONX	UNKNOWN
9302520	172ND ST CLEARMONT EXPY	172ND ST CLEARMONT EXPY	BRONX	UNKNOWN
9212402	I-95/M.P. 0.5ML NR RR TRK	I-95/M.P. 0.5ML NR RR TRK	BRONX	UNKNOWN
9211051	SO. BRONX EXPSWY	SO. BRONX EXPSWY	BRONX	UNKNOWN
9209574	CROSS BRONX EXPRESSWAY	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
9207432	1021 ATH STREET JOHN'S AV	1021 ATH STREET JOHN'S AV	BRONX	UNKNOWN
9106110	CROSS BX EPWY	CROSS BX EPWY	BRONX	UNKNOWN
8100533	NONE RESPONSIBLE	PARKDALE HOSPITAL	BRONX	UNKNOWN
0409792	BRONX RIVER	179TH STREET WEST FARMS R	BRONX	10460
0402485	RESIDENCE	607 HARDING PARK	BRONX	UNKNOWN
0314240		PELHAM PKY./ SOUTHERN BLV	BRONX	UNKNOWN
0312681	PRIVATE RESIDENCE	3276 RESERVOIR OVAL	BRONX	UNKNOWN
0312254	APARTMENT BUILDING	34 11 ERWIN AVE	BRONX	UNKNOWN
0311931		SEE BELOW	BRONX	UNKNOWN
0306295	INDEPENDENT AVE &	SEDGWICK AVE	BRONX	UNKNOWN
0303451	ETC PROPERTY	HALACK ST	BRONX	UNKNOWN
0302981	NYS THRUWAY	N/B - MILE MARKER 2.0	BRONX	UNKNOWN
0301928	AT BRYANT AV	EAST A AVENUE	BRONX	UNKNOWN
0301493	TREMOUNT AVE AND	LITTLE LEAGUE AVE	BRONX	UNKNOWN
0211873		2916 PENBROECK AV	BRONX	UNKNOWN
0207579		208 HARDING PARK	BRONX	UNKNOWN
0205154	179TH ST SUB-STATION	179TH ST	BRONX	UNKNOWN
0109044	NEW ENGLAND THRUWAY	I-95 EXPRESSWAY	BRONX	UNKNOWN
0106596		168 ARCHER AVE	BRONX	UNKNOWN
0102033	ON ROADWAY	GUNHILL RD & BRUCKNER RD	BRONX	UNKNOWN
0100943	BRONX ZOO	180TH ST	BRONX	10460
0012756	INTO A SEWER	CROSS BRONX EXPRESWAY	BRONX	UNKNOWN
0012275		180 CANAL ST	BRONX	UNKNOWN
0007746	BRYANT AVENUE	BRYANT AVE	BRONX	UNKNOWN
0007384	BRUCKNER EXCHANGE	BY HUDSON RIVER PKWY	BRONX	UNKNOWN
0004792		CROSS BRONX EXP	BRONX	UNKNOWN
0004610	CROTONA PUMPING STATION	EAST 181ST ST	BRONX	UNKNOWN
0003868	IN ROAD	DAWSON ST & W TREMONT	BRONX	UNKNOWN
0002198	VAULT 1690	256 GREEN POINT AVENUE	BRONX	UNKNOWN
9300161	JIM CURRY	630 MAIN AVENUE	BRONX, N.Y.	UNKNOWN
8801616	CROSS BRONX EXPWY	CROSS BRONX EXPRESSWAY	N Y C	UNKNOWN
9004330	3915 OILOTT AVE/BX	3915 OILOTT AVENUE	NEW YORK CITY	UNKNOWN
9004299	137 ZEIZER PLACE/BX	137 ZEIZER PLACE	NEW YORK CITY	UNKNOWN
9002010	CROSS BRONX EXPRESSWAY	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8807409	CROSS BRONX EXPWY/BX	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8700070	CROSS BRONX EXPRESSWAY/W	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8802530	CNTRL TRNSPRTN TANKER	CROSS BX EXPSWY	NYC	UNKNOWN
0010548	STAPLETON ANCHORAGE	AMBROS CHANEL	NYC	UNKNOWN

Petroleum Bulk Storage Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
2-156418	MOBIL S/S 1JARDH AAMCO TRANAS	MOBIL S/S 1JARDH AAMCO TRANAS	BRONX	10400
2-244635	WEST FARMS NEIGHBORHOOD HDF CO., INC.	1 WEST FARMS RD	BRONX	10460
2-325929	C O REALTY INC	2136 CHURCH AVE	BRONX	UNKNOWN

Hazardous Waste Generation or Transport Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP

NYP004001707	CONSOLIDATED EDISON CO	SOUTH 5TH AVENUE V8733		UNKNOWN
NYP004002598	CONSOLIDATED EDISON CO	CROTONA V1312		UNKNOWN
NYP004021101	CONSOLIDATED EDISON CO	#800BRONX ST S/O MAIN ST		UNKNOWN
NYD986998904	SUN MAINTENANCE (NYS THRUWAY)	INDIAN CASTLE STA	BRONX	UNKNOWN
NYP004009955	CONSOLIDTED EDISON	5TH STREET AND EDGEMONT AVENUE	BRONX	UNKNOWN
NYP004027413	CONSOLIDATED EDISON	BRONX ST	BRONX	UNKNOWN
NYP004057592	CONSOLIDATED EDISON	MH26587	BRONX	UNKNOWN
NYP004086936	CONSOLIDATED EDISON	MH26904-UNION ST	BRONX	UNKNOWN
NYP004087912	CONSOLIDATED EDISON	2 EIGHT AVE-WHITESTONE CINEMAS	BRONX	UNKNOWN
NYP004101994	CONSOLIDATED EDISON	MH14202-TELLER AVE & 16TH ST	BRONX	UNKNOWN
NYP004105698	CONSOLIDATED EDISON	TREMONT AVE & CROTON	BRONX	UNKNOWN
NYP004106179	CONSOLIDATED EDISON	MH220-S FULTON & ITHICA	BRONX	UNKNOWN
NYP004109161	CONSOLIDATED EDISON	NBL NEC PARK AVE E	BRONX	UNKNOWN
NYP004118592	CONSOLIDATED EDISON	MH23680-SACKET AVE & IVES ST	BRONX	UNKNOWN
NYP004705334	CONSOLIDATED EDISON	MH25873-E 175TH ST	BRONX	UNKNOWN
NYP010000446	NYCDEP	2204 CENTRAL AV	BRONX	UNKNOWN
NYR000109280	NYSDOT D259024	SHERIDAN EXP CROSS BRONX EXP	BRONX	10460
NYP000929406	CONSOLIDATED EDISON	VS2711-E TREMONT	BROOKLYN	UNKNOWN
NYP004102547	CONSOLIDATED EDISON	WARWICK AVE & BRONSON	EASTCHESTER	UNKNOWN
NYD986943157	NYSDOT	SHERIDAN EXPRSWY/E CHESTER RD	FLUSHING	UNKNOWN
NY0000010363	NYCDOT	N/S	N/S	UNKNOWN
NYP000898072	EMPIRE CITY SUBWAY-NEW YORK TELEPHONE	MANHOLE ON WHITE PLAINS RD	NEW YORK	UNKNOWN
NYP000949109	VERIZON NEW YORK INC	W FARMS RD	NEW YORK	UNKNOWN
NYP004039590	CONSOLIDATED EDISON	MH24185-518-22 204TH ST	NEW YORK	10001
NYP004040416	CONSOLIDATED EDISON	V1807-WEEKS AVE	NEW YORK	10001
NYP004049359	CONSOLIDATED EDISON	MH867 - FOX ST	NEW YORK	10001
NYP004065413	CONSOLIDATED EDISON	MILLER & GLEN	NEW YORK	UNKNOWN
NYP004078721	CONSOLIDATED EDISON	200 FOREST AVE	NEW YORK	UNKNOWN
NYP004010827	CONSOLIDATED EDISON	V 4078 - BELMONT & STOWE	QUEENS	UNKNOWN
NYP004011110	CONSOLIDATED EDISON	V 2564 - E 174 ST	QUEENS	UNKNOWN
NYP004065850	CONSOLIDATED EDISON	V5747-515 NORTH ST	WESTCHESTER	UNKNOWN
NYP004070231	CONSOLIDATED EDISON	RED OAK	WESTCHESTER	UNKNOWN

Air Releases

FACILITY ID	FACILITY NAME		STREET	CITY	ZIP
NY005X08L	TAPOLD REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X12G	J A D REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X40E	ANTHONY ASSOC	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
3606160150	NYS UDC COGENERATION		MOTT HAVEN ROF PROC	SOUTH BRONX	UNKNOWN

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

B003 Petroleum oil or other liquid containing 500 ppm or greater of PCBs.

D001 Solid waste that exhibits the characteristic of ignitability, but is not listed under any other hazardous waste code.

D002 Solid waste that exhibits the characteristic of corrosivity, but is not listed under any other hazardous waste code.

D006 Cadmium

D007 Chromium

D008 Lead

F001 The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)

F002 The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)

X726

Source: U. S. Environmental Protection Agency

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile,* along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12 Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location <u>and</u> a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or governnent agencies. These site locations are identified "map coordinate." <u>Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect</u> .

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Computerized Environmental Reports contain government and other information compiled on 19 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **Inactive Hazardous Waste Disposal Site Registry**: New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Profile data updated through: 8/20/2004. Data obtained by Toxics Targeting: 08/23/2004.
New Facilities updated to: 8/20/2004. Data obtained by Toxics Targeting: 08/23/2004.

2) **CERCLIS**: Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. NPL sites are also included in CERCLIS. ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
Profile data updated through: 07/14/2004. Data obtained by Toxics Targeting: 08/06/2004.
New Facilities updated through: 07/14/2004. Data obtained by Toxics Targeting: 08/06/2004.

3) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
Profile data updated from: 07/27/2004. Data obtained by Toxics Targeting: 07/28/2004.
New Facilities updated through: 07/27/2004. Data obtained by Toxics Targeting: 07/28/2004.

4) **Hazardous Substance Waste Disposal Site Study:** NYS database of waste disposal sites that may pose threats to public health or the environment, but cannot be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

5) **Brownfield Cleanup Sites:** NYS database of sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 1/21/2005. Data obtained by Toxics Targeting: 2/28/2005.

6) **Solid Waste Facilities:** NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 12/31/2001. Data obtained by Toxics Targeting: 3/16/2002.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.
Source: City of New York Department of Sanitation (1984). Waste Disposal Problem in New York City: A Proposal For Action.

7) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant The to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. Data withheld by the NYSDEC as of 4/1/2002. Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2] Data update schedule: rolling basis.
New facilities updated through: 1/1/2002. New facilities data obtained by Toxics Targeting: 1/11/2002.
Tank data updated through: 1/1/2002. Tank data obtained by Toxics Targeting: 1/11/2002.

8) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
New facilities updated through: 6/14/2004. New facilities obtained by Toxics Targeting: 6/21/2004.
Manifest transactions data updated to: 6/14/2004. Manifest transactions data obtained by Toxics Targeting: 6/21/2004.

(b) **RCRA Notifier, Violations, and Corrective Action Activity (CORRACTS) Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA). ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 6/15/2004. Data obtained by Toxics Targeting: 6/21/2004.
Data attributes updated through: 6/15/2004. Data obtained by Toxics Targeting: 6/21/2004.

9) **Spills Information Database**: Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported before 04/04/2005.
Data updated on a rolling basis. ASTM required.* Fannie Mae.**
Source: NYS Department of Environmental Conservation.[2]

New spills through: 04/03/2005.
Most spill attribute data updated through 01/01/2002 (Some data withheld by NYSDEC since 01/01/2002).
Limited spill attribute data updated to between 01/01/2002 and 04/03/2005. (See individual spill profiles.)

Active spills: paperwork not completed. Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

10) **Petroleum Bulk Storage Facilities:** Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons. ASTM required.* Fannie Mae required.**

All New York Counties except Cortland, Nassau, Rockland, and Suffolk:
Source: NYS Department of Environmental Conservation.[2]
Update schedule: rolling basis; Data has been withheld by the NYSDEC since 4/1/2002.
Facility data updated through: 1/1/2002 (10/1/98 for Westchester Co.). Facility data obtained by Toxics Targeting: 1/11/2002.
Tank data updated through: 1/1/2002 (10/1/98 for Westchester Co.). Tank data obtained by Toxics Targeting: 1/11/2002.

Nassau County:
Heat producing products and other products with less than 1,000 gallons storage capacity:
Source: Nassau County Department of Health.[3] Data update schedule: rolling basis
Data updated through: 10/4/2000. Data obtained by Toxics Targeting: 11/5/2000.

Generally non-heat producing products with more than 1,000 gallons storage capacity:
Source: Nassau County Fire Marshall. [4] Data update schedule: rolling basis with annual update
Data updated through: 9/27/1996 for mapped sites; 03/21/2000 for on-site checks.

Rockland County:
Source: Rockland County Department of Health. [5]
Data updated through: 04/13/2004. Data obtained by Toxics Targeting: 4/16/2004.

Suffolk County:
Source: Suffolk County Department of Health Services. [6]
Data updated through: 1/12/1999. Data obtained by Toxics Targeting: 2/26/1999.

11. **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the New York State Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
New facilities updated through: 6/14/2004. New facilities obtained by Toxics Targeting: 6/21/2004.
Manifest transactions data updated to: 6/14/2004. Manifest transactions data obtained by Toxics Targeting: 6/21/2004.

(b) **RCRA Notifier, Violations, and Corrective Action Activity (CORRACTS) Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA). ASTM required.* Fannie Mae required.**
Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 6/15/2004. Data obtained by Toxics Targeting: 6/21/2004.
Data attributes updated through: 6/15/2004. Data obtained by Toxics Targeting: 6/21/2004.

12) **Chemical Bulk Storage Facilities**: New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. Data withheld by NYSDEC as of 4/1/2002. ASTM required.* Fannie Mae required.**
Source: New York State Department of Environmental Conservation.[2]
Data updated through: 1/1/2002. Data obtained by Toxics Targeting: 1/11/2002.

13) **Toxic Release Inventory**: Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1] / NYS Department of Environmental Conservation[2]/
Data updated through: 3/8/2004. Data obtained by Toxics Targeting: 3/25/2004

14) **Historic New York City Utility Facilities (1898 to 1950)**: An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

15) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.
See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency[1]
Data updated through: 11/24/1999. Data obtained by Toxics Targeting: 1/06/2000

16) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 06/17/2004. Data obtained by Toxics Targeting: 7/19/2004.

17) **Civil Enforcement & Administrative Docket**: This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
New Sites through: 10/14/1999.
Data updated through: 10/14/1999. Data obtained by Toxics Targeting: 11/18/1999.

18) **New York City Fire Department Tank Data**: On-Site searches only.
Source: New York City Fire Department. Data obtained by Toxics Targeting: 2/13/1997

19) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. On-site searches only. ASTM required.* See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1]
Data updated through: 1/31/2000. Data obtained by Toxics Targeting: 2/15/2000

*American Society of Testing Materials Standards on Environmental Site Assessments for Commercial Real Estate (E 1527-93, E 1528-93).
** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

[1]U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

[2]NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

[3]Nassau County Department of Health, Bureau of Land Resources Management, 240 Old Country Road, Mineola, NY 11501.

[4]Nassau County Fire Commission, Office of the Fire Marshall, 899 Jerusalem Avenue, P. O. Box 128, Uniondale, NY 11553.

[5]Rockland County Department of Health, The Dr. Robert Yeager Health Center, Building D, Sanitorium Road, Pomona, NY 10970.

[6]Suffolk County Department of Health Services, Hazardous Materials Management, 15 Horseblock Place, Farmingville, NY 11738-1220.

"Revised" Proposed Remedial Investigation Work Plan

Crotona Terrace
1825 Boston Road
Bronx, NY 10460
Block 2948 / Lot 46

Applicant:
South Bronx Overall Economic Development Corp
555 Bergen Avenue
Bronx, NY 10455

For Review and Approval:
Brownfields Cleanup Program
City of New York
Mayor's Office of Environmental Remediation
253 Broadway, 14th Floor
New York, NY 10007

Project No. 11TEMP001X

September 2010

EQUITY ENVIRONMENTAL ENGINEERING, LLC
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Table of Contents

1.0 INTRODUCTION

The South Bronx Overall Economic Development Corporation (SoBRO) intends to undertake development of affordable housing at a 49,800 square foot (sf) (1.14 acre) vacant lot located at 1825 Boston Road in the Bronx, New York City (Figure 1).

The site currently bears a Restrictive Declaration (RD) as a condition of the 2010 rezoning of the site by the New York City Planning Commission and the City Council. At the time of the rezoning, it was believed some level of environmental remediation prior to residential redevelopment would be required. The placement of the RD allowed a finding that no significant adverse hazardous materials impact would occur with site development, once the site was investigated and appropriate remedial measures, if any, were put in place prior to occupancy.

In this regard, SoBRO intends to undertake remedial investigation under the oversight of the Mayor's Office of Environmental Remediation (MOER), and then apply for the New York City Brownfield Cleanup Program (NYC BCP) as a "Preferred Community Development" project. ***The submittal of this Revised Remedial Investigation Work Plan (RIWP) is in response to discussions and comments with/from MOER NYC BCP. Revisions to the RIWP will be bold/italicized for expeditious review.***

1.1. Purpose

This RIWP stresses data collection and site characterization to determine the nature and extent of potential site contamination. The Plan focuses on those areas of the site where construction is anticipated ***(i.e., entire property)***, but does not neglect the surrounding area. Employing the resulting data, would allow for proper construction planning and the implementation of appropriate remedial measures, if required. These data would provide a basis for the development of a Construction Health and Safety Plan for the implementation of such remedial measures, thus protecting both site construction and future facility workers.

Performing a thorough remedial investigation will enable the project to undergo the NYC BCP as a Preferred Community Development Project that will bring economic benefit to a distressed part of the Bronx

Going through the NYC BCP process, beginning at the investigation stage, will deliver a high-quality, comprehensive cleanup and increase the overall safety and viability of the area

1.2. Site Location and Description

The proposed project site is located within the Crotona Park section of the Borough of the Bronx, at 1825 Boston Road, Bronx, NY 10460 Identified on the New York City tax map as Block 2984 / Lot 46. The site is bounded by Boston Road, East 175th Street, Crotona Parkway, and East 176th Street, within the boundaries of Bronx Community Board #3. The

site has been vacant since 1989, and formerly housed a transit rail car and bus maintenance and repair facility.

The surrounding area (Figure 2) consists of residential, commercial, and manufacturing uses, as well as vacant properties. The site lies across Crotona Parkway from Crotona Park, a large regional NYC Department of Park facility to the west, and to the south of the Cross Bronx Expressway (I-95).

Based on a May 2005 Phase I Environmental Site Assessment prepared by AKRF, Inc., the following areas of concern (AOCs) were identified:

- Based on State records and a review of previous investigations performed by URS Consultants, Inc. (URS) for the subject property in the early 1990s, a 10,000-gallon fuel oil underground storage tank and two 5,000-gallon diesel underground storage tanks were ***(reportedly)*** identified at the subject site. Free product was discovered in a monitoring well installed at the site, which was assumed to have been released from these tanks. A product recovery and groundwater monitoring program conducted from 1996 to 1998 indicated that measurable free product previously discovered at the site was reduced to non-detectable levels. A geophysical investigation and test pit program was conducted by URS on behalf of SoBRO, which identified that no tanks remained on the subject site, suggesting that they had been removed. ***The URS geophysical investigation and test pit report was not available for review.***

- Historic Sanborn maps indicated that the subject property was developed sometime between 1896 and 1901 and operated as a transit rail car and bus maintenance and repair facility until at least 1989. Petroleum products and solvents were likely used as part of the on-site maintenance activities, which have the potential to have affected the subject property.

- Histric fill of unknown origin is likely present underlying the site.

- Debris and trash were observed throughout the site, including plastic and glass bottles, paper, wood, tires, concrete blocks, plastic crates, and metal cans.

- Facilities located on the south-adjacent block included a portion of the former train car and bus repair and maintenance facility (no longer present) and a gasoline station (presently abandoned). These properties are located in a presumed upgradient groundwater flow direction. ***The former gas station (1800 Southern Blvd) is currently within the NYS BCP remedial action program.***

- In addition, the regulatory databases and historical land-use atlases indicated that the surrounding neighborhood has an approximately 80-year history of residential, commercial, and industrial development. These surrounding properties have the potential

to have affected local groundwater quality, which may have migrated to the subject site. However, a Phase II investigation was performed by AKRF in 2003 for the south-adjacent block, which included the collection of groundwater samples along East 175th Street, upgradient of the subject property. Petroleum hydrocarbon concentrations detected in the groundwater samples from these areas were below the most stringent regulatory standards (drinking water standards).

- A Phase II Investigation undertaken by Ethan Eldon in 2003, found petroleum hydrocarbon concentrations detected in the site's groundwater were below the most stringent regulatory standards. This was also reported in the AKRF Phase I noted above.

1.3. Site Geology, Hydrogeology, and Topography

The bedrock underlying the project site is mapped as the Manhattan Schist, composed of coarsely crystalline mica schist that has been severely crumpled and folded and shows a marked foliation. The bedrock surface in eastern Bronx is near the surface in the vicinity of the subject site, and bedrock outcrops can be found within several miles of the subject property.

The surface topography at the subject property is sloped to the west, though the general area tends to slope downward towards the east and northeast. The property is situated at an elevation of approximately 60 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level), according to the U.S. Geological Survey Central Park Quadrangle topographic map. Based on local topography, groundwater beneath the subject property most likely flows in a northeasterly direction towards the Bronx River, located approximately ½ mile east of the project site.

In the AKRF study, groundwater at the site was noted to be at a depth of approximately eight to ten feet below surface grade. This report noted that actual groundwater flow beneath the site can be affected by many factors, including past filling activities, underground utilities and other subsurface openings or obstructions such as basements, bedrock geology, and other factors, including the proximity of the trench of the Cross Bronx Expressway.

A geotechnical study undertaken by Approved Testing Laboratories Inc (ATL) in December 2007. They advanced 22 borings to determine the site geological conditions regarding the design of the proposed building's foundations. No "environmental" samples were collected for hazardous materials. Ground water was encountered at only one of the 22 locations sampled, at a depth of 21 feet below ground surface.

1.4. Proposed Future Site Development

As noted above, the subject property is current vacant and is proposed for redevelopment as a mixed-use residential, community facility, and street level retail project (Figure 3). When completed, the Site will have approximately:

- 185,256 sf of residential development (approximately 175 dwelling units in 7 stories)
- 29,629 sf of commercial / retail floor area on the ground floor
- 1,700 sf of community facility space
- 100 accessory parking spaces on the ground floor and in the cellar

1.5. Previous Environmental Reports

- AKRF Phase I Environmental Site Assessment, May 2005
- URS Consultants, Remedial Investigation Report–West Farms Depot Site February 1993.
- Ethan Eldon, Phase II Investigation Workplan and HASP, April 2007
- Equity Environmental Engineering, December 2009, Crotona Terrace / 1825 Boston Road Environmental Assessment Statement (08DCP054X)
- Approved Testing Laboratories, December 2007. SPT – Boring Soil Exploration and Foundation Recommendations

2.0 SITE INVESTIGATION

2.1 Investigation Objective

This Remedial Investigation Work Plan (RIWP) stresses data collection and site characterization to determine the nature and extent of potential site contamination. The Plan focuses on those areas of the site where construction is anticipated, but does not neglect the surrounding area. Employing the resulting data, would allow for proper construction planning and the implementation of appropriate remedial measures, if required. These data would provide a basis for the development of a Construction Health and Safety Plan for the implementation of such remedial measures, thus protecting both site construction and future facility workers.

2.2 Overview of Investigation Services

To accomplish the projects objectives, Equity will employ a variety of techniques and methodologies. These will include:

- Ground Penetrating Radar / Magnetometer surveys
- Advancement of soil borings for the collection of soil samples from various depths below ground surface
- Installation of temporary and permanent groundwater monitoring wells
- Installation of temporary soil gas monitoring locations

2.3 Site Preparation Services

Prior to any fieldwork and during field events to assure the validity and reliability of the

data /samples collected, the following tasks will be undertaken:

2.3.1 Utility Markout

Prior to the onset of drilling, the drilling subcontractor will place a One-Call Utility Survey Request to have the local utility companies' mark out existing utilities on and entering the subject property.

2.3.2 Equipment Calibration

Prior to any field event, all field equipment to be employed will be serviced and calibrated per the manufacturer's specifications. A maintenance / calibration log will be assigned to each such device. During field events, equipment will be calibrated per the manufacturer's requirements / recommendations. Such information will also be recorded in an appropriate logbook or journal.

2.3.3 Subcontractor Coordination

The project manager or designate will coordinate the engagement of all subcontractors, assuring that they have the request experience, training, and insurance, as well as a complete understanding of their assignment during their engagement on the project.

2.3.4 Health & Safety Plan

The Construction Health and Safety Plan (HASP) to implement this RIWP can be found in Appendix 2.

2.4 Proposed Investigative Services

2.4.1 Geophysical Survey

Prior to the start of any intrusive subsurface investigation, a geophysical survey using magnetometry and ground-penetrating radar (GPR) will be performed ***across the entire site***. The geophysical subcontractor will conduct the survey to determine if there are any USTs and/or buried utilities, foundations, or other magnetic anomalies onsite. If any USTs are identified during the survey, a separate protocol if necessary will be prepared to address the closure and removal of the tank(s) in accordance with all applicable New York State Department of Environmental Conservation (NYSDEC) regulations.

2.4.2 Soil Boring Installation

Twelve (12) soil borings will be installed across the site (Figure 4). Six (6) soil borings will be advanced to 24 feet below ground surface (bgs) and six (6) soil borings will be advanced to 44 feet bgs (to meet the CEQR requirement of minimum of 30 feet beyond the proposed footing depth [i.e., 14 feet]). Borings will be advanced to the proposed depths or refusal to bedrock. In the case of the 24 feet bgs soil borings; if bedrock is encountered or the soil to groundwater interface. This provides coverage of greater than 10.5 borings per acres. Five (5) of the 44 feet bgs soil borings will be converted into temporary well points and discussed in detail in section 2.4.3 below.

All soil borings will be installed using direct-push drilling technology. Samples will be continuously retrieved from the boring using dedicated 2-inch diameter, 5-foot long macro-core tubes with disposable acetate liners. The soil lithology, color, moisture content, and presence of staining or odors will be described and classified. The borings will be screened using visual and olfactory senses as well as using a photo-ionization detector (PID).

Two (2) soil samples will be collected from each soil boring location. The first soil sample will be collected from the 0 to 2-inch interval bgs (surface) and the second soil sample will be collected from the soil to groundwater interface or area exhibiting the highest degree of staining, odors or PID reading.

All soil samples will be analyzed for the following suite of parameters:

- Volatile Organic Compounds (VOCs) by USEPA method 8260
- Semivolatile Organic Compounds (SVOCs) by USEPA method 8270
- Pesticides by USEPA method 8081
- Polychlorinated Biphenyls (PCBs) by USEPA method 8082
- Target Analyte List Metals (TAL Metals)

Waste Characterization**: **Soil samples will be collected from the soil borings for the purpose of conducting in-place soil disposal waste classification for the site. These waste-classification soil samples will be used to aid in the determination of soil transportation and disposal costs.

2.4.3 Temporary Well Point/Monitoring Well Installation

Five (5) of the above 44 feet bgs soil boring locations will have temporary well points (TWPs) installed for the purpose of groundwater evaluation. Three of the

TWPs will be converted to permanent groundwater monitoring wells for groundwater quality and flow determination.

The monitoring wells will be installed using Hollow Stem Auger (HSA) drilling techniques. During the installation, a PID will be used to screen soil cuttings for indications of contamination. In addition, field observations included the color, composition, and presence of visible contamination and/or odors will be noted. Upon attaining the selected depth, 2-inch PVC well material will be lowered into the borehole through the HSA flights. A gravel pack of No. 1 sand will be introduced within the annular space starting at the bottom of the borehole and extending to a maximum of two-feet above the well screen. A grout-slurry will be added into the remainder of the annular space. A steel flush mount cover and locking mechanism will be set into the cement slurry. The well will be completed with a watertight flange cover and well lock. The well will be developed until a turbid-free discharge is obtained.

Groundwater samples will be collected from the three (3) monitoring wells and analyzed for the following suite of parameters:

- Volatile Organic Compounds (VOCs) by USEPA method 8260
- Semivolatile Organic Compounds (SVOCs) by USEPA method 8270
- Pesticides by USEPA method 8081
- Polychlorinated Biphenyls (PCBs) by USEPA method 8082
- Target Analyte List Metals (TAL Metals) both filtered and unfiltered

2.4.4 Quality Assurance/Quality Control

Quality Assurance/Quality Control procedures will be implemented to guarantee the integrity of the samples and the scientific data. Sampling equipment used will be either disposable single use items or decontaminated between uses with a mixture of Alconox detergent and water. The PID will be calibrated prior to use with 100 parts per million of Isobutylene gas in accordance with the manufacturer's operation manual. All Samples will be collected in laboratory prepared glassware and preserved in accordance with NYSDEC Sampling Guidelines and Protocols.

Soil samples will be collected in 8-ounce wide mouth glass jars with Teflon liners and preserved with ice to maintain a temperature of 4 degrees Celsius. Groundwater samples will be collected in 40-ml glass vials with Teflon liners preserved with Hydrochloric Acid (for VOCs), 1-liter unpreserved glass amber bottles with Teflon liners (for SVOCs, PCBs, Pesticides), and 1-liter polyethylene bottles with polyethylene liners preserved with Nitric Acid (for filtered TAL Metals), which will all also be preserved with ice to maintain a temperature of 4 degrees Celsius.

Both soil and groundwater samples will be delivered under chain of custody procedures to an accredited laboratory.

Per NYSDEC DER-10 Technical Guidance Document (May 2010), groundwater QA/QC samples will consist of one (1) duplicate, one (1) field blank and one (1) trip blank (for VOCs only). QA/QC samples for soil will consist of one (1) duplicate and one (1) field blank.

Laboratory analytical results of the soil samples will be compared to NYSDEC Part 375 Soil Cleanup Objectives (SCO) regulatory standards and groundwater samples will be compared to NYSDEC TOGS class GA groundwater quality standards. The laboratory report will be included in a Remedial Investigation Report (RIR) for review.

Soil boring logs indicating soil lithology, soil recovery, PID readings, and depth to groundwater, will be maintained and submitted in the RIR for review.

The boreholes, upon their completion, will be backfilled with soil cuttings.

2.4.5 Groundwater Flow and Direction Determination

The newly installed monitoring wells will be surveyed by a New York-licensed surveyor for elevation, vertical coordinates relative to the North American Vertical Datum of 1988 (NAVD 88) and horizontal elevation relative to the North American Datum of 1983 (NAD 83) and New York State Plane Coordinates. Copies of the soil boring/well logs will be included in the RIR. This data will be used to construct a groundwater contour interval map for determination of groundwater flow direction.

2.4.6 Soil Vapor

Six soil vapor collection points will be installed at the property's lot lines. Soil vapor points will be advanced to 24 feet (or just above the soil to groundwater interface) and soil vapor samples collected in a laboratory supplied, summa canister. Isopropyl alcohol will be used as a tracer for the soil vapor sampler. The soil vapor samples will be analyzed for Total Organic Compounds (TO+15).

2.4.7 Waste Disposal

Waste derived from the investigation's soil boring program will be backfilled into the boreholes. Any remaining material will be containerized in appropriate disposal containers. These containers will be staged in a secure area on site and characterized. Following completion of onsite activities, disposal of soil cutting, if

any, will be done employing an appropriately licensed transporter and disposal site.

3.0 REPORTING

Following the completion of all field activities and receipt of all analytical data, and manifests, a Remedial Investigation Report (RIR) will be prepared, for review and approval by the New York City Office of Environmental Remediation (OER). The RIR will provide conclusions and recommendations, based on an evaluation and interpretation of the data collected during the remedial investigation. RIWP field and analytical data will be summarized and compared to the New York State Department of Environmental Conservation's (DEC) Subpart 375 Soil Cleanup Objectives.

If the investigative findings of the RIWP reveal impacted soil, groundwater, or a soil gas issue at the site, a detailed Remedial Action Work Plan (RAWP) and an updated Construction Health and Safety Plan will be included as a part of the RIR.

4.0 PROJECT SCHEDULE

Equity will begin implementing the scope of work immediately upon OER approval of this work plan. The anticipated schedule is:

- The field investigation would start as soon as a driller could be engaged and will be completed in three to four days, depending on site access and weather
- Sample analyses would be completed in three weeks
- Report preparation would take from five to seven days.

The RIR would be available in about 4 to 5 weeks from the start of fieldwork.

When the schedule has been formalized, the OER staff will be notified of the sampling start date and invited to attend the site kick-off meeting.

APPENDIX 1

1. Site Location Map
2. Surrounding Land Use Map
3. Proposed Site Plan
4. Proposed Soil Boring, Soil Vapor, and Well Point Locations

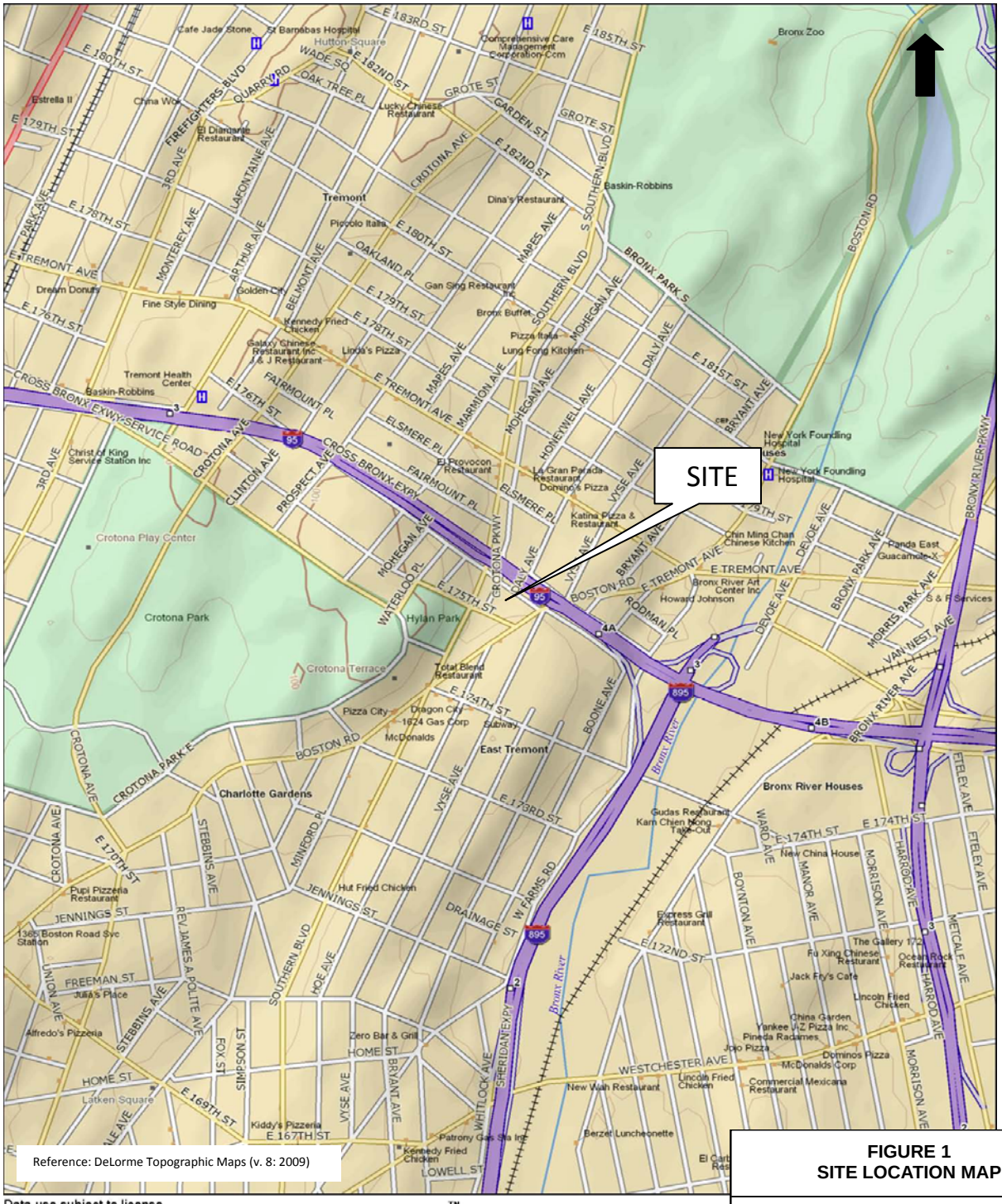

FIGURE 1
SITE LOCATION MAP

PROJECT:
CROTONA TERRACE DEVELOPMENT
1825 BOSTON ROAD
BRONX, NY 10460
BLOCK 2548 / LOT 46

OWNER:
SOUTH BRONX OVERALL
DEVELOPMENT CORP.
555 BERGEN AVE
BRONX, NY 10455

QUALIFIED ENVIRONMENTAL PROFESSIONAL:

Equity Environmental Engineering LLC
4 Gold Mine Road, Flanders, NJ 07836
Phone: 973-527-7451 Fax: 973-858-0280

DRAWN BY/ DATE	CHK/DATE	DRAWING NUMBER
TAF/08-13-10		2010020

Legend

- Subject Property
- Day Care Centers
- Elementary Schools
- High Schools
- K12 Schools
- Middle Schools
- Vacant
- Parks & Playgrounds
- Institution
- Parking & Transportation
- Industrial
- Commercial
- Mixed Use
- Multi-Family Residential
- 1 & 2 Family Residential

FIGURE 2
LAND USE MAP

PROJECT:
CROTONA TERRACE DEVELOPMENT
1825 BOSTON ROAD
BRONX, NY 10460
BLOCK 2548 / LOT 46

OWNER:
SOUTH BRONX OVERALL
DEVELOPMENT CORP.
555 BERGEN AVE
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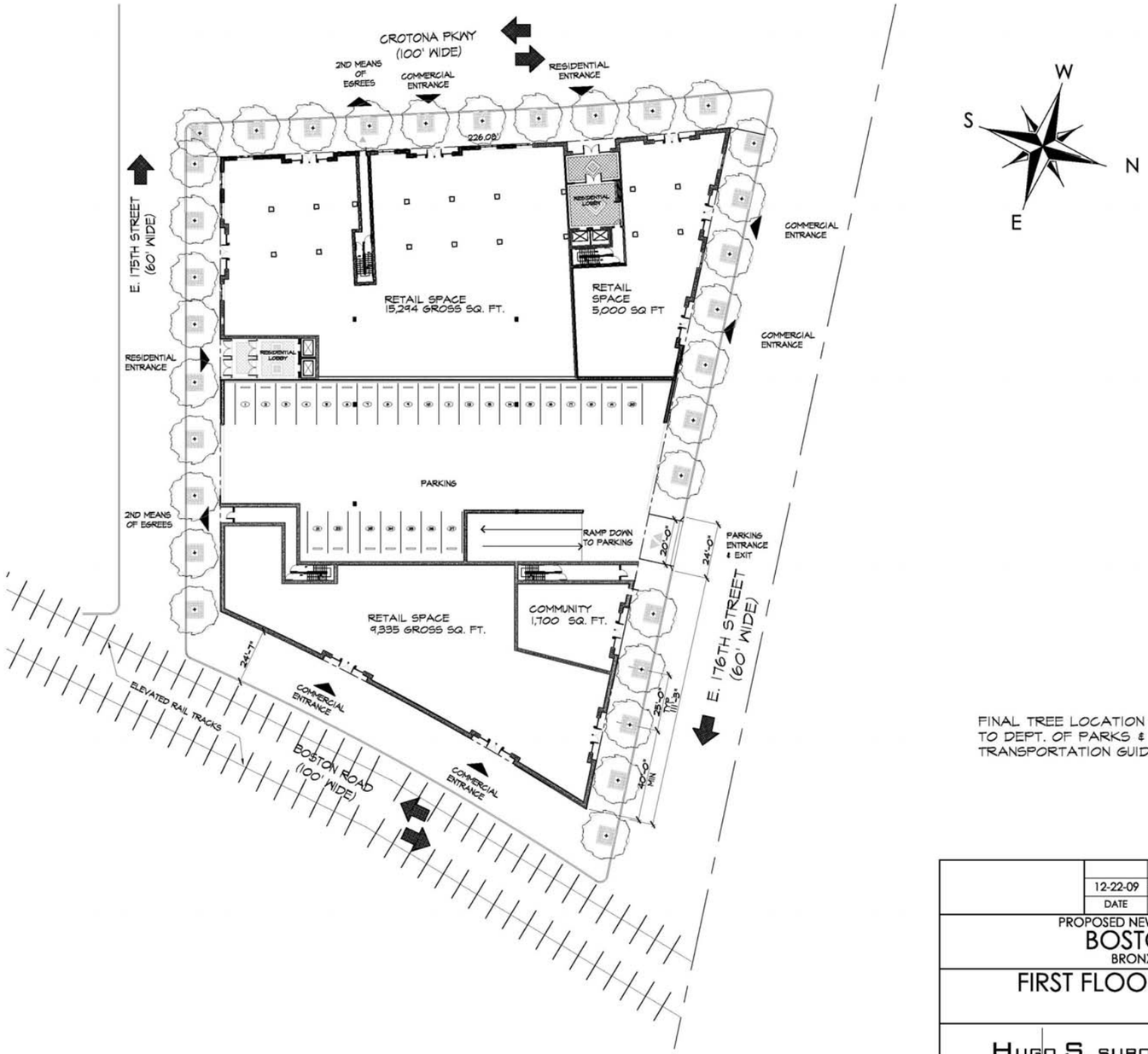
Phone: 973-527-7451 Fax: 973-858-0280

DRAWN BY/ DATE	CHK/DATE	DRAWING NUMBER
TAF/09-13-10		2010020



FINAL TREE LOCATION TO BE DETERMINED ACCORDING TO DEPT. OF PARKS & RECREATION AND DEPT. OF TRANSPORTATION GUIDELINES

	12-22-09	REVISED AS PER CITY PLANNING COMMENTS
	DATE	REVISIONS

PROPOSED NEW DEVELOPMENT FOR:
BOSTON ROAD
BRONX, NEW YORK

FIRST FLOOR PLAN

date 9/18/08
scale 1/32"=1'-0"
file no. 0515
drawn by MAC
dwg. no. A-3

HUGO S. SUBOTOVSKY AIA architects LLC
49 N. AIRMONT ROAD, SUFFERN, NY 10901 TEL: 845-368-0004 FAX: 845-368-0005
121 WEST 27TH STREET, NEW YORK, NY 10001 TEL: 212-242-5321 FAX: 800-772-8304

FIGURE 3
SITE PLAN

PROJECT:
CROTONA TERRACE DEVELOPMENT
1825 BOSTON ROAD
BRONX, NY 10460
BLOCK 2548 / LOT 46

OWNER:
SOUTH BRONX OVERALL DEVELOPMENT CORP.
555 BERGEN AVE
BRONX, NY 10455

QUALIFIED ENVIRONMENTAL PROFESSIONAL:

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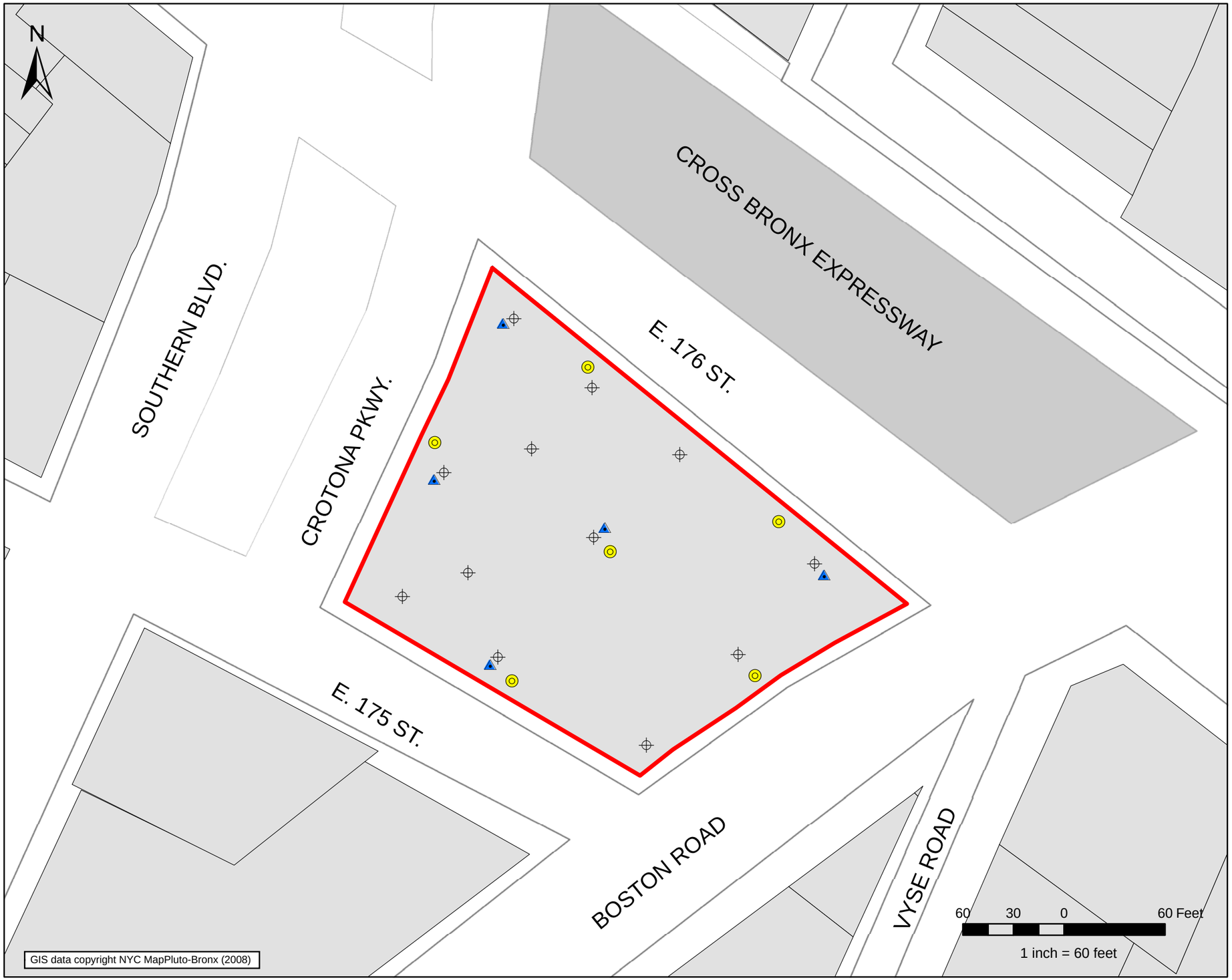
TAF/09-13-10		2010020



Legend

- Subject Property
- Proposed Soil Gas Point
- Proposed Soil Borings
- Proposed Monitoring Well

FIGURE 4
PROPOSED SOIL BORING LOCATION MAP

PROJECT:
CROTONA TERRACE DEVELOPMENT
1825 BOSTON ROAD
BRONX, NY 10460
BLOCK 2548 / LOT 46

OWNER:
SOUTH BRONX OVERALL DEVELOPMENT CORP.
555 BERGEN AVE
BRONX, NY 10455

QUALIFIED ENVIRONMENTAL PROFESSIONAL:

Equity Environmental Engineering LLC
4 Gold Mine Road, Flanders, NJ 07836
Phone: 973-527-7451 Fax: 973-858-0280

DRAWN BY/ DATE	CHK/DATE	DRAWING NUMBER
TAF/09-15-10		2010020

Appendix 2: Construction Health and Safety Plan

CONSTRUCTION HEALTH AND SAFETY PLAN

Supporting

Proposed Remedial Investigation Work Plan

For

Crotona Terrace
1825 Boston Road
Bronx, NY 10460

Block 2948 / Lot 46

Prepared for:
South Bronx Overall Economic Development Corporation
555 Bergen Ave., 3rd floor
Bronx, NY 10455

Prepared By:
Equity Environmental Engineering LLC
4 Gold Mine Road
Flanders, New Jersey 07836

August 2010

Reviewed and Approved By:			
	Name	Signature	Date
Project Manager	Mark London		
Health & Safety Officer	Robert Jackson		

TABLE OF CONTENTS

List of Tables

List of Figures

EMERGENCY CONTACTS

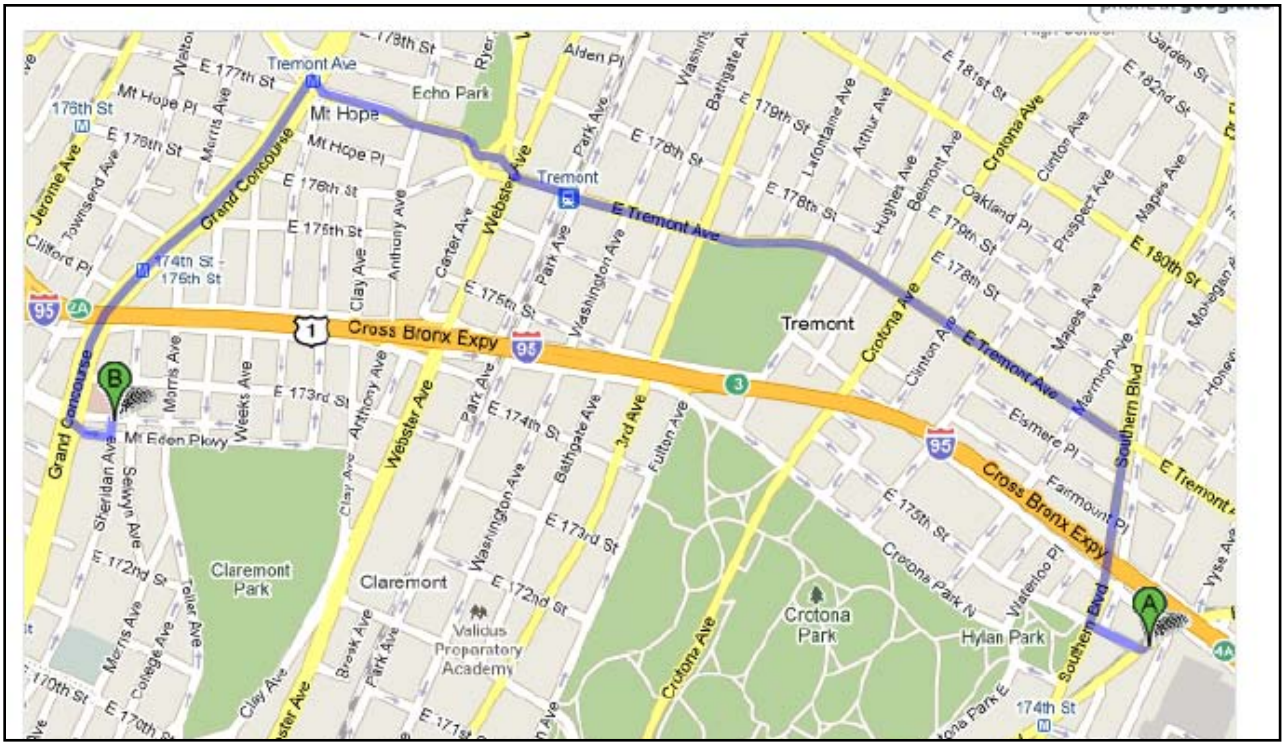
In the event of any situation or unplanned occurrence requiring assistance, the appropriate contact(s) should be made from the list below. For emergency situations, contact should first be made with the site coordinator who will notify emergency personnel who will then contact the appropriate response teams. This emergency contacts list must be in an easily accessible location at the site.

Contingency Contacts	Phone Number
Nearest phone located on-site,	To be determined (site utilities subject to relocation(s))
Fire	911 (Emergencies)
Police	911 (Emergencies)
NY One Call Center (3 working days notice required)	(800)-272-4480
Poison Control Center	(800) 764-7661
Medical Emergency	
Ambulance:	911

The hospital (New York Hospital Medical Center) location is shown on the next page. Travel time from the site to Bronx Lebanon Hospital Center, 1650 Grand Concourse, Bronx, NY 10457, is approximately 2.3 miles away and takes approximately 8 minutes. The Hospital phone number is 718.590.1800.

Figure 1 Hospital Route

Directions to Bronx Lebanon Hospital Center
1650 Grand Concourse, Bronx
718.590.1800



1825 Boston Rd, Bronx, NY 10460

	1. Head **southwest** on **Boston Rd** toward **E 175th St**	go 69 ft total 69 ft
	2. Take the 1st **right** onto **E 175th St**	go 394 ft total 463 ft
	3. Take the 2nd **right** onto **Southern Blvd** About 1 min	go 0.2 mi total 0.3 mi
	4. Turn **left** at the 3rd cross street onto **E Tremont Ave** About 4 mins	go 1.0 mi total 1.4 mi
	5. Slight **right** to stay on **E Tremont Ave**	go 0.1 mi total 1.5 mi
	6. Take the 1st **left** onto **Grand Concourse** About 1 min	go 0.6 mi total 2.1 mi
	7. Turn **left** at **Mt Eden Pkwy**	go 325 ft total 2.1 mi
	8. Turn **left** at **Sheridan Ave**	go 121 ft total 2.2 mi

Bronx Lebanon Hospital Center
1650 Grand Concourse, Bronx, NY 10457 - (718) 590-1800

Contractor Contacts

Project Manager: Mark London	Cell: 201-707-2002 Office: 973-527-7451
Project Scientist : Thomas Francis	Cell: 848-391-5346 Office: 973-527-7451
Office Health & Safety Rep.: Robert Jackson Alternate: Robert Fry	Cell: 973-641-0825 Office: 973-527-7451

Property Contact

Shira Gidding / SoBRO	Office: (718) 732-7532

Table 1-1 Health and Safety Summary Table

Level D

Activities include the following:

- Installation of soil borings, temporary monitoring wells, and soil gas collection points
- Clearing and grading of the site for construction.
- Installation of subsurface utilities and building foundation.
- Soil characterization for offsite soil disposal.

If the level of volatile organic compounds does not exceed 5 ppm. 4-gas monitoring will be conducted during all intrusive activities, safe levels are as follows:

- Carbon Monoxide: 0-35ppm
- LEL: 0-10%
- Oxygen:19.5%-23.5%
- Benzene: 0-5ppm

Level C

If the level of volatile organic compounds exceed 5 ppm; If 4-gas monitoring exceeds 35ppm (CO), LEL: >10%, Oxygen <19.5% or >23.5%, Benzene: >5ppm.

Organic Vapor data will be collected as a precaution utilizing a photo- ionization detector (PID). During the installation of the soil borings and wells, lower explosive limits (LELs) may be present; as a result, monitoring will be conducted around the breathing zone of the workers and in the vicinity of any open boreholes. If LEL limits of 10% or greater are reached, work will be suspended to allow for the borehole to ventilate.

During site activities, dust creation may be expected to be present in significant amounts. If dust creation, as a result of site activities, increases to visible/nuisance levels, a portable aerosol monitor will be (MiniRAM) utilized to collect readings as a precaution.

1. INTRODUCTION

1.1 Purpose and Requirements

The purpose of this safety plan is to establish personnel protection standards and mandatory safety practices and procedures. This plan assigns responsibilities, establishes standard operating procedures, and provides for contingencies that may arise while operations are being conducted at the 1825 Boston Road property.

The provisions of the plan are mandatory for all on-site personnel. Any supplemental plans used by subcontractors shall conform to this plan as a minimum. All personnel who engage in project activities must be familiar with this plan, comply with its requirements, and sign the Plan Acceptance Form (Attachment B), page number B-5, prior to working on the site. The Plan Acceptance Form must be submitted to the construction firm's Health and Safety Officer.

1.2 Site Description

The proposed project site is located within the Crotona Park section of the Borough of the Bronx, at 1825 Boston Road, Bronx, NY 10460 Identified on the New York City tax map as Block 2984 / Lot 46. The site is bounded by Boston Road, East 175th Street, Crotona Parkway, and East 176th Street, within the boundaries of Bronx Community Board #3. The site has been vacant since 1989, and formerly housed a transit rail car and bus maintenance and repair facility.

Figure 2: Site Location Map follows

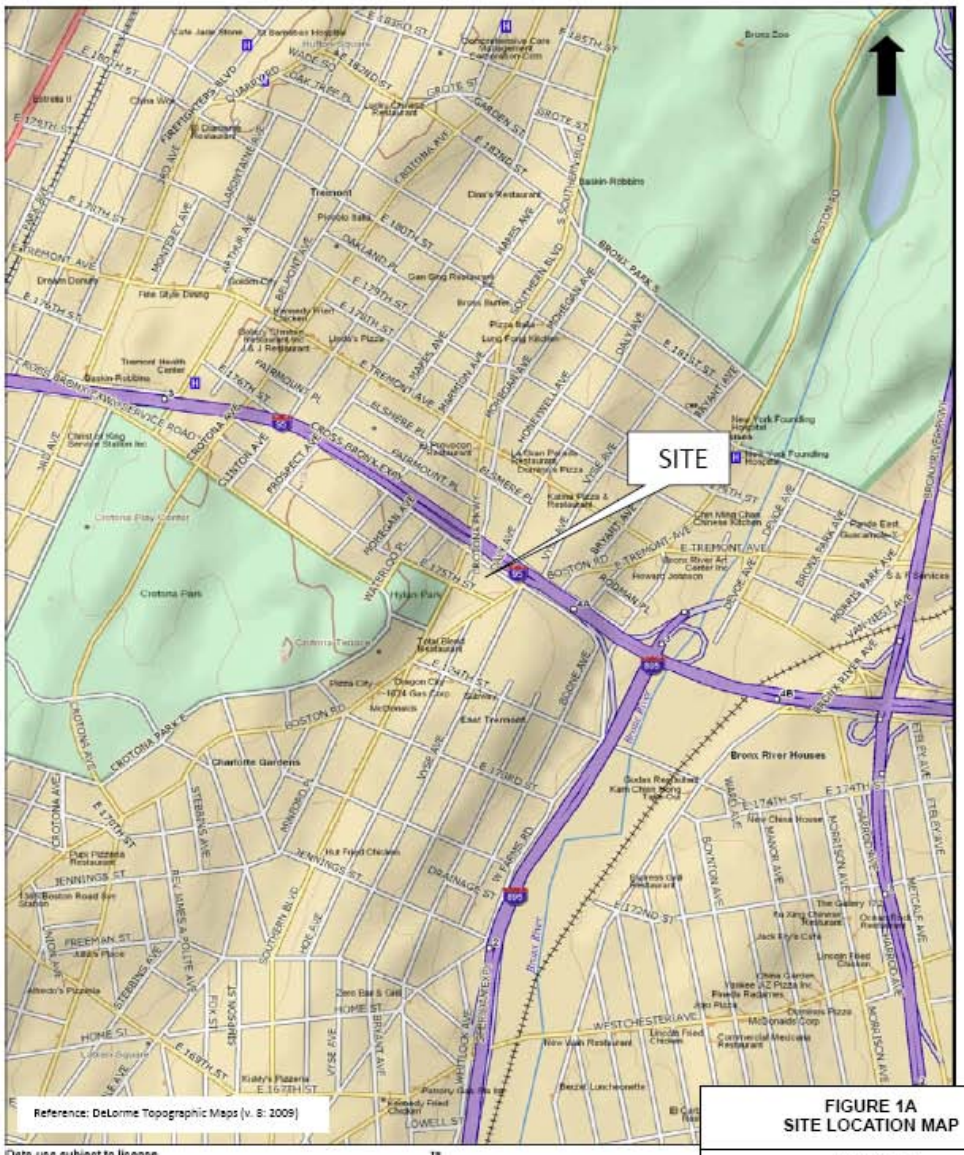


FIGURE 1A
SITE LOCATION MAP

PROJECT:
CROTONA TERRACE DEVELOPMENT
1825 BOSTON ROAD
BRONX, NY 10460
BLOCK 2548 / LOT 46

OWNER:
SOUTH BRONX OVERALL
DEVELOPMENT CORP.
555 BERGEN AVE
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1.3 Scope of Work

The scope of work includes activities associated with the construction of a new affordable housing project. These activities include the following:

- Clearing and grading of the site for construction.
- Installation of subsurface utilities and building foundation.
- Soil characterization for offsite soil disposal.
- Construction of a below grade parking facility in the cellar of the new building.

1.4 Project Team Organization

Table 1-2 describes the responsibilities of all on-site personnel associated with this project. The names of principal on-site personnel associated with this project are delineated below:

Project Manager: TBD

Field Team Leader: TBD

Site Health and Safety Officer: TBD

All personnel have been appropriately trained in hazardous waste safety procedures including the operating and fitting of personal protective equipment, and are experienced with the types of field operations to be employed at the site.

TABLE 1-2
ON-SITE PERSONNEL
AND RESPONSIBILITIES

PROJECT MANAGER - Reports to upper-level management, has authority to direct response operations, and assumes total control over site activities.

Responsibilities:

- Prepares and organizes the background review of the situation, the Work Plan, the Health and Safety Plan, and the field team.
- Obtains permission for site access and coordinates activities with appropriate officials.
- Ensures that the Work Plan is completed and on schedule.
- Briefs the field teams on their specific assignments.
- Uses the Site Health and Safety Officer to ensure that health and safety requirements are met.
- Prepares the final report and support files on the response activities.
- Serves as the liaison with public officials.

SITE HEALTH AND SAFETY OFFICER - Advises the Project Manager on all aspects of health and safety on site and stops work if any operation threatens worker or public health or safety.

Responsibilities:

- Periodically inspects protective clothing and equipment.
- Ensures that protective clothing and equipment are properly stored and maintained.
- Controls entry and exit at the Access Control Points.
- Coordinates health and safety program activities with the Office Health and Safety Representative.
- Confirms each team member's suitability for work based on a physician's recommendation.
- Monitors the work parties for signs of stress, such as cold exposure, heat stress, and fatigue.
- Implements the Health and Safety Plan.
- Conducts periodic inspections to determine if the Health and Safety Plan is being followed.
- Enforces the "buddy" system.

TABLE 1-2 (CONTINUED)

ON-SITE PERSONNEL AND RESPONSIBILITIES

- Knows emergency procedures, evacuation routes, and the telephone numbers of the ambulance, local hospital, poison control center, fire department, and police department.
- Notifies, when necessary, local public emergency officials.
- Coordinates emergency medical care.
- Sets up decontamination lines and the decontamination solutions appropriate for the type of chemical contamination on the site.
- Controls the decontamination of all equipment, personnel, and samples from the contaminated areas.
- Assures proper disposal of contaminated clothing and materials.
- Ensures that all required equipment is available.
- Advises medical personnel of potential exposures and consequences.
- Notifies emergency response personnel by telephone or radio in the event of an emergency.

FIELD TEAM LEADER - Responsible for field team operations and safety.

Responsibilities:

- Manages field operations.
- Executes the Work Plan and schedule.
- Enforces safety procedures.
- Coordinates with the Site Health and Safety Officer in determining the personal protection level.
- Enforces site control.
- Documents field activities and sample collection.
- Serves as a liaison with public officials.

WORK TEAM – Drilling contractors. The work party must consist of at least two people.

Responsibilities:

- Safely completes the on-site tasks required to fulfill the Work Plan.
- Complies with the Health and Safety Plan.
- Notifies Site Health and Safety Officer or supervisor of suspected unsafe conditions.

2. RISK ANALYSIS

2.1 Chemical Hazards

Several contaminants (Semi-Volatile Organic Compounds, Volatile Organic Compounds) have been identified onsite that may be encountered during various field tasks at the subject property. Potential contaminants and their relevant properties are shown in Table 2-1. Material safety data sheets (MSDS) for these contaminants have been included in this HASP.

2.2 Physical Hazards

2.2.1 Heat Stress

The use of Level C protective equipment, or greater, may create heat stress. Monitoring of personnel wearing personal protective clothing should commence when the ambient temperature is 72^{O}F or above. Table 2-2 presents the suggested frequency for such monitoring. Monitoring frequency should increase as ambient temperature increases or as slow recovery rates are observed. Refer to the Table 2-3 below to assist in assessing when the risk for heat related illness is likely. To use this table, the ambient temperature and relative humidity must be obtained (a regional weather report should suffice). Heat stress monitoring should be performed by the Site Health and Safety Officer, who shall be able to recognize symptoms related to heat stress.

To monitor the workers, be familiar with the following heat-related disorders and their symptoms:

- **Prickly Heat** (Heat rash)
  - Painful, itchy red rash. Occurs during sweating, on skin covered by clothing.
- **Heat Cramps**
  - Painful spasm of arm, leg or abdominal muscles, during or after work.
- **Heat Exhaustion**
  - Headache, nausea, dizziness. Cool, clammy, moist skin. Heavy sweating. Weak, fast pulse. Shallow respiration, normal temperature.
- **Heat Fatigue**
  - Weariness, irritability, loss of skill for fine or precision work. Decreased ability to concentrate. No loss of temperature control.

2.1 CONTAMINANTS OF CONCERN
(REFER TO MSDS'S &PROJECT FILES FOR MORE DETAILED CONTAMINANT INFORMATION)

Contaminant	Exposure Limit[b]	IDLH[c]	Symptoms and Effects of Exposure	PIP[d] (eV)
Dibenzo(a,h)anthracene	200MG/CUM	NA	See Coal Tar Derivatives	NA
Bis(2-ethylhexyl)phthalate	5 mg/m^3	NA	Eye, skin, respiratory tract irritation; carcinogen; adverse reproductive effects.	NA
Indeno(1,2,3-cd)pyrene	200MG/CUM	NA	See Coal Tar Derivatives	NA
Benzo(a)anthracene	200MG/CUM	NA	See Coal Tar Derivatives	NA
Benzo(a)pyrene	0.2 mg/m^3	80 mg/m^3	Dermatitis, bronchitis	NA
Benzo(b)fluoranthene	200MG/CUM	NA	See Coal Tar Derivatives	NA
Benzene	10 ppm	500ppm	Irritate skin and eyes. CNS depression (excitement, headache, dizziness, drowsiness, nausea). Respiratory tract irritation	NA
Ethyl Benzene	100 ppm	800ppm	Irritate skin, eyes, mucus membrane, headaches, coma, dermatitis	NA
IsoButylene			The amount of Iso-butylene in this mixture should not present any symptoms of toxicity if this mixture is breathed.	NA
Arsenic	0.01 mg/m^3	5 ppm as Ca	Ulceration of nasal septum, respiratory irritation, dermatitis, gastrointestinal disturbances, peripheral neuropathy, hyperpigmentation	NA

2.1 CONTAMINANTS OF CONCERN (REFER TO MSDS'S &PROJECT FILES FOR MORE DETAILED CONTAMINANT INFORMATION)				
Contaminant	**Exposure Limit[b]**	**IDLH[c]**	**Symptoms and Effects of Exposure**	**PIP[d] (eV)**
Barium	0.5 mg/m^3	50 mg/m^3	Irritates skin, eyes, upper respiratory, skin burns, gastroenteritis, muscle spasms, slow pulse, extrasystoles, hypokalemia	NA
Copper	1 mg/m^3	100 mg/m^3	Eye, nose, pharynx irritant; nasal perforation; metallic taste; dermatitis.	NA
Lead	0.05 mg/m^3	10 mg/m^3	Eye, skin irritation, gastrointestinal irritation with nausea, vomiting and diarrhea, respiratory irritation, CNS, weight loss, lassitude, insomnia, hypotension, anorexia, abdominal discomfort and colic, flu-like symptoms, chest/muscle pain, increased white cell count.	NA

Footnotes:

[a] Specify sample-designation and media: SB (Soil Boring), A (Air), D (Drums), GW (Groundwater), L (Lagoon), TK (Tank), S (Surface Soil), SL (Sludge), SW (Surface Water).
[b] Appropriate value of PEL, REL, or TLV listed.
[c] IDLH = immediately dangerous to life and health (units are the same as specified "Exposure Limit" units for that contaminant); NL = No limit found in reference materials; CA = Potential occupational carcinogen.
[d] PIP = photoionization potential; NA = Not applicable; UK = Unknown.

2.2 Potential Routes of Exposure		
Dermal: Contact with contaminated media. This route of exposure is minimized through proper use of PPE, as specified in Section 4.	**Inhalation:** Vapors and contaminated particulates. This route of exposure is minimized through proper respiratory protection and monitoring, as specified in Sections 4 and 5, respectively.	**Other:** Inadvertent ingestion of contaminated media. This route should not present a concern if good hygiene practices are followed (e.g., wash hands and face before drinking or smoking).

2.3 Suggested Frequency of Physiological Monitoring for Fit and Acclimated workers[A]

Adjusted Temperature[b]	Normal Work Ensemble[c]	Impermeable Ensemble
90°F or above (32.2°C) or above	After each 45 min. of work	After each 15 min. of work
87.5°F (30.8°-32.2°C)	After each 60 min. of work	After each 30 min. of work
82.5°-87.5°F (28.1°-30.8°C)	After each 90 min. of work	After each 60 min. of work
77.5°-82.5°F (25.3°-28.1°C)	After each 120 min. of work	After each 90 min. of work
72.5°-77.5°F (22.5°-25.3°C)	After each 150 min. of work	After each 120 min. of work

- **Heat Syncope** (Heat Collapse)
  - Fainting while standing in a hot environment.
- **Heat Stroke**
  - Headache, nausea, weakness, hot dry skin, fever, rapid strong pulse, rapid deep respirations, loss of consciousness, convulsions, coma. **This is a life threatening condition.**

Do not permit a worker to wear a semi-permeable or impermeable garment when they are showing signs or symptoms of heat-related illness.

To monitor the worker, measure:

- Heart rate. Count the radial pulse during a 30-second period as early as possible in the rest period.
  - If the heart rate exceeds 100 beats per minute at the beginning of the rest period, shorten the next work cycle by one-third and keep the rest period the same.
  - If the heart rate still exceeds 100 beats per minute at the next rest period, shorten the following work cycle by one-third. A worker cannot return to work after a rest period until their heart rate is below 100 beats per minute.
- Oral temperature. Use a clinical thermometer (3 minutes under the tongue) or similar device to measure the oral temperature at the end of the work period (before drinking).
  - If oral temperature exceeds 99.6^{O}F (37.6^{O}C), shorten the next work cycle by one-third without changing the rest period. A worker cannot return to work after a rest period until their oral temperature is below 99.6^{O}F.
  - If oral temperature still exceeds 99.6^{O}F (37.6^{O}C) at the beginning of the next rest period, shorten the following cycle by one-third.
  - Do not permit a worker to wear a semi-permeable or impermeable garment when oral temperature exceeds 100.6^{O}F (38.1^{O}C).

2.2.2 Prevention of Heat Stress

Proper training and preventative measures will aid in averting loss of worker productivity and serious illness. Heat stress prevention is particularly important because once a person suffers from heat stroke or heat exhaustion, that person may be predisposed to additional heat related illness. To avoid heat stress the following steps should be taken:

- Adjust work schedules.
- Mandate work slowdowns as needed.
- Perform work during cooler hours of the day if possible or at night if adequate lighting can be provided.
- Provide shelter (air-conditioned, if possible) or shaded areas to protect personnel during rest periods.
- Maintain worker's body fluids at normal levels. This is necessary to ensure that the cardiovascular system functions adequately. Daily fluid intake must approximately equal the amount of water lost in perspiration, id., eight fluid ounces (0.23 liters) of water must be ingested for approximately every eight ounces (0.23 kg) of weight lost. The normal thirst mechanism is not sensitive

enough to ensure that enough water will be drunk to replace lost perspiration. When heavy sweating occurs, encourage the worker to drink more. The following strategies may be useful:

- Maintain water temperature 50^{O} to 60^{O}F (10^{O} to 16.6^{O}C).
- Provide small disposable cups that hold about four ounces (0.1 liter).
- Have workers drink 16 ounces (0.5 liters) of fluid (preferably water or dilute drinks) before beginning work.
- Urge workers to drink a cup or two every 15 to 20 minutes, or at each monitoring break. A total of 1 to 1.6 gallons (4 to 6 liters) of fluid per day are recommended, but more may be necessary to maintain body weight.
- Train workers to recognize the symptoms of heat related illness.

2.2.3 Cold-Related Illness

If work on this project is conducted in the winter months, thermal injury due to cold exposure can become a problem for field personnel. Systemic cold exposure is referred to as hypothermia. Local cold exposure is generally labeled frostbite.

Hypothermia: Hypothermia is defined as a decrease in the patient core temperature below 96^{O}F. The body temperature is normally maintained by a combination of central (brain and spinal cord) and peripheral (skin and muscle) activity. Interference with any of these mechanisms can result in hypothermia, even in the absence of what normally is considered a "cold" ambient temperature. Symptoms of hypothermia include shivering, apathy, listlessness, sleepiness, and unconsciousness.

Frostbite. Frostbite is both a general and medical term given to areas of local cold injury. Unlike systemic hypothermia, frostbite rarely occurs unless the ambient temperatures are less than freezing and usually less than 20^{O}F. Symptoms of frostbite include a sudden blanching or whitening of the skin; the skin has a waxy or white appearance and is firm to the touch; tissues are cold, pale, and solid.

2.2.4 Prevention of Cold-Related Illness

- Educate workers to recognize the symptoms of frostbite and hypothermia
- Identify and limit known risk factors:
- Assure the availability of enclosed, heated environment on or adjacent to the site.
- Assure the availability of dry changes of clothing.
- Develop the capability for temperature recording at the site.
- Assure the availability of warm drinks.

Monitoring

Start (oral) temperature recording at the job site:

- At the Field Team Leader's discretion when suspicion is based on changes in a worker's performance or mental status.
- At a worker's request.
- As a screening measure, two times per shift, under unusually hazardous conditions (e.g., wind-chill less than 20^{O}F, or wind-chill less than 30^{O}F with precipitation).
- As a screening measure whenever any worker on the site develops hypothermia.

Any person developing moderate hypothermia (a core temperature of 92^{O}F) cannot return to work for 48 hours.

2.3 Hazards Analysis

Refer to Section 6.1.1 for heavy equipment safety requirements. Check with local utilities before conducting any ground invasive procedures. Chemical exposure typically occurs as subsurface soils are brought to the surface. The breathing zone shall be screened with a Mini-RAE or equivalent air monitoring device appropriate for the known, onsite contaminants. If contaminant levels reach action limits as specified in Section 3, upgrades in personal protection will be initiated. Onsite personnel shall start work in Level D PPE, which will include use of hard hats and eye and hearing protection when the equipment is operational.

Employees shall keep clothing dry with adequate rain gear. Use proper personal protective clothing. Inspect equipment to ensure that it is proper working order. All handling of potentially contaminated soils and/or groundwater will begin in Level D with careful monitoring of the sampler's breathing zone using the Mini-Rae as needed. Outer nitrile and inner latex gloves will be included in standard Level D requirements whenever handling samples.

a. For work levels of 250 kilocalories/hour.
b. Calculate the adjusted air temperature (ta adj) by using this equation ta adj = ta °F + (13 x % sunshine). Measure air temperature (ta) with a standard mercury-in-glass thermometer, with the bulb shielded from radiant heat. Estimate percent sunshine by judging what percent time the sun is not covered by clouds that are thick enough to produce a shadow. (100 percent sunshine = no cloud cover and a sharp, distinct shadow; 0 percent sunshine = no shadows.)
c. A normal work ensemble consists of cotton coveralls or other cotton clothing with long sleeves and pants.

3. PERSONNEL PROTECTION AND MONITORING

3.1 Medical Surveillance

Project personal will utilize the services of a licensed occupational health physician with knowledge and/or experience in the hazards associated with the project to provide the medical examinations and surveillance specified herein.

Personnel involved in this operation are to have undergone medical surveillance prior to employment with their employer, and thereafter at 12-month intervals. The 12-month medical examination includes a complete medical and work history and a standard occupational physical. The examination includes: all major organ systems, complete blood count with differential (CBC), and a SMAC/23 blood chemistry screen which includes calcium, phosphorous, glucose, uric acid, BUN, creatinine, albumin, SGPT, SGOT, LDH, globulin, A/G ratio, alkaline phosphatase, total protein, total bilirubin, triglyceride, cholesterol, and a creatinine/BUN ratio. Additionally a pulmonary function test will be performed by trained personnel to record Forced Vital Capacity (FVC) and Forced Expiratory Volume in second ($FEV_{1.0}$). An audiogram and visual acuity measurement, including color perception, is administered. The medical exam is performed under the direction of a licensed Occupational Health Physician. The physician provides a medical certification regarding the fitness or unfitness for employment on hazardous waste projects. This evaluation includes any restrictions that may be indicated for each employee. The evaluation will be repeated as indicated by substandard performance or evidence of particular stress that is evident by injury or time loss illness on the part of any worker.

3.2 Site Specific Training

The Site Health and Safety Officer will be responsible for developing a site specific occupational hazard training program and providing training to all personnel that are to work at the site. This training will consist of the following topics:

- Names of personnel responsible for site safety and health.
- Safety procedures and hazards specific to the site.
- Proper use of personal protective equipment.
- Work practices by which the employee can minimize risk from hazards.
- Safe use of engineering controls and equipment on the site.
- Acute effects of compounds at the site.
- Decontamination procedures.

3.3 Personal Protective Equipment and Action Levels

3.3.1 Conditions for Level D

Level D protection will be worn as required for the investigation. Level D protection will consist of:

- Coveralls
- Safety boots
- Nitrile outer and Latex inner gloves (must be worn during all sampling activities)
- Hard hat (must be worn during drilling activities)
- Safety glasses with side shields (Splash goggles must be worn if a splash hazard is present)
- Hearing protection (must be worn during activities as necessary)

3.3.2 Conditions for Level C

The level of personal protection will be upgraded to Level C if any of the following conditions are met:

For Volatile Organic Compounds:

- If the level of volatile organic compounds exceeds 5 ppm;

For Nonvolatile and Semi volatile Compounds:

- If the level of total dust exceeds 1.7 mg/m^3;

It is possible to directly monitor the concentrations of airborne volatile organic compounds from gasoline, which might be generated as a result of wind erosion of soils. To avoid any potential exposure, workers will wet down the surrounding area with water if work is being conducted in a non-vegetated area or downwind of a non-vegetated area on a windy day. If the site health and safety officer or any member of the field team does not feel that these measures are sufficient, then workers may don a full-face air-purifying respirator equipped with HEPA cartridges.

As this site is located in a densely populated and heavily trafficked area, the breathing zone along the street must be conducted to ensure pedestrian safety during construction. If an upgrade from Level D to Level C is required, additional air monitoring along Pacific Street will be required.

Equipment Required For Level C

Level C protection will consist of:

- Full-face air-purifying respirator
- Combination dust/organic vapor cartridges
- Tyvek overall suit
- Nitrile outer and latex inner gloves
- Safety boots
- Hard hat (must be worn during excavation activities)

3.3.3 Conditions for Level B or Retreat

The level of personal protection will be upgraded to Level B or personnel shall retreat to an upwind location if any of the following conditions are met. If the concentrations of volatile organics, which can be detected with a Photo Ionization Detector (PID), equal or exceed 25 ppm (based on the presence of methylene chloride). Additional air monitoring in the exclusion zone as well as along Pacific Street will be required if there is an upgrade from Level C to Level B. The NYCDEP should also be notified of the upgrade and additional monitoring plans. Work will not be done at Level A at the subject property.

Equipment Required For Level B

Level B protection will consist of:

- Airline or SCBA respirator with Grade D breathing air
- Poly-coated Tyvek□ overall suit
- 5-minute escape SCBA (with airline only)
- Nitrile outer and latex inner gloves, taped at cuffs
- Safety boots
- Hard hat

OSHA Requirements for Personal Protective Equipment

All personal protective equipment used during the course of this field investigation must meet the following OSHA standards:

Type of Protection	Regulation	Source
Eye and Face	29 CFR 1910.133 29 CFR 1926.102	ANSI Z87.1-1968
Respiratory	29 CFR 1910.134 29 CFR 1926.103	ANSI Z88.1-1980
Head	29 CFR 1910.135 29 CFR 1926.100	ANSI Z89.1-1969
Foot	29 CFR 1910.136 29 CFR 1926.96	ANSI Z41.1-1967

ANSI = American National Standards Institute

Both the respirator and cartridges specified for use in Level C protection must be fit-tested prior to use in accordance with OSHA regulations (29 CFR 1910.1025; 29 CFR 1910.134).

Air purifying respirators cannot be worn under the following conditions:

- Oxygen deficiency
- IDLH concentrations
- High relative humidity
- If contaminant levels exceed designated use concentrations.

3.4 Monitoring Requirements

Monitoring for organic vapors in the breathing zone will be conducted with a photo- ionization detector (PID). Monitoring for explosive conditions will be conducted with a four-gas meter. Readings will be taken continuously while investigating contaminated soils. Readings will be conducted upwind and downwind of excavation activities at least once per hour on the site in order to monitor for the release of airborne contaminants from the exclusion zone. If downwind levels of organic vapors or explosive conditions exceed upwind levels by more than the amount indicated in Table 1-1, steps will be taken to upgrade the level of PPE or reduce the concentrations. This may include, but not be limited to suspending work.

4. WORK ZONES AND DECONTAMINATION

4.1 Site Work Zones

To reduce the spread of hazardous materials by workers from potentially contaminated areas to the clean areas, zones will be delineated at the site. The flow of personnel between the zones will be controlled. The establishment of the work zones will help ensure that: personnel are properly protected against the hazards present where they are working, work activities and contamination are confined to the appropriate areas, and personnel can be located and evacuated in an emergency.

4.1.1 Exclusion Zone

Exclusion zones will be established at the site for all activities; unprotected onlookers should be located at the property boundary and upwind of excavation activities. In the event that volatile organics are detected in the breathing zone as discussed in Section 3, all personnel within the exclusion zone must don Level C protection. Exclusion zones will also be established during any activity when Level C protection is established as a result of conditions discussed in Section 3.

All personnel within the exclusion zone will be required to use the specified level of protection. No eating, drinking, or smoking will be allowed in the exclusion or decontamination zones.

4.1.2 Decontamination Zone

Should it be necessary to establish an exclusion zone, the decontamination zone will be utilized. This zone will be established between the exclusion zone and the support zone, and will include the personnel and equipment necessary for decontamination of equipment and personnel (discussed below). Personnel and equipment in the exclusion zone must pass through this zone before entering the support zone. This zone should always be located upwind of the exclusion zone.

4.1.3 Support Zone

The support zone will include the remaining areas of the job site. Break areas, operational direction and support facilities (to include supplies, equipment storage and maintenance areas) will be located in this area. No equipment or personnel will be permitted to enter the support zone from the exclusion zone without passing through the personnel or equipment decontamination station. Eating, smoking, and drinking will be allowed only in this area.

4.2 Decontamination

Due to the low level of contaminants expected, any water used in decontamination procedures will be disposed of on-site.

4.2.1 Decontamination of Personnel

Decontamination will not be necessary if only Level D protection is used. However, disposable gloves used during sampling activities should be removed and bagged; personnel should be encouraged to remove clothing and shower as soon as is practicable at the end of the day. All clothing should be machine-washed. All personnel will wash hands and face prior to eating and before and after using the restroom.

Decontamination will be necessary if Level C protection is used. The following OSHA-specified procedures include steps necessary for complete decontamination prior to entry into the support zone, and steps necessary if a worker only needs to change a respirator or respirator canister.

The site health and safety officer can modify the twelve-station decontamination process, dependent upon the extent of contamination.

Station 1: Segregated Equipment Drop

Deposit equipment used on the site (tools, sampling devices and containers, monitoring instruments, clipboards, etc.) on plastic drop cloths or in different containers with plastic liners. Each will be contaminated to a different degree. Segregation at the drop reduces the possibility of cross-contamination.

Station 2: Suit/Safety Boot and Outer-Glove Wash

Thoroughly wash chemically resistant suit, safety boots and outer gloves. Scrub with long-handle, soft-bristle scrub brush and copious amounts of Alconox/water solution.

Necessary equipment includes:

1. Wash tub (30 gallon or large enough for person to stand in)
2. Alconox/water solution
3. Long-handle soft-bristle scrub brushes

Station 3: Suit/Safety Boot and Outer-Glove Rinse

Rinse off Alconox/water solution using copious amounts of water. Repeat as many times as necessary.

Necessary equipment includes:

1. Wash tub (30 gallon or large enough for person to stand in)

2. Spray unit
3. Water
4. Long-handle, soft-bristle scrub brushes

Station 4: Outer Gloves Removal

Remove the outer gloves and deposit in individually marked plastic bags.

Necessary equipment includes:

1. Plastic bag

Station 5: Canister or Mask Change

If a worker leaves the exclusion zone to change a canister (or mask), this is the last step in the decontamination procedures. The worker's canister is exchanged, new outer glove donned, and joints taped. Worker returns to duty. Otherwise, the worker proceeds to Station 6.

Necessary equipment includes:

1. Canister (or mask)
2. Tape
3. Gloves

Station 6: Removal of Chemically Resistant Suit

With assistance of helper, remove suit. Deposit in container with plastic liner.

Necessary equipment includes:

1. Container with plastic liner

Station 7: Inner-Glove Wash

Wash inner gloves with Alconox/water solution that will not harm skin. Repeat as many times as necessary.

Necessary equipment includes:

1. Alconox/water solution
2. Wash tub
3. Long-handle, soft-bristle brushes

Station 8: Inner-Glove Rinse

Rinse inner gloves with water. Repeat as many times as necessary.

Necessary equipment includes:

1. Water
2. Wash tub

Station 9: Respirator Removal

Remove face-piece. Avoid touching face. Wash respirator in clean, sanitized solution, allow to dry and deposit face-piece in plastic bag. Store in clean area.

Necessary equipment includes:

1. Plastic bags
2. Sanitizing solution
3. Cotton

Station 10: Inner-Glove Removal

Remove inner gloves and deposit in container with plastic liner.

Necessary equipment includes:

1. Container with plastic liner

Station 11: Field Wash

Wash hands and face.

Necessary equipment includes:

1. Water
2. Soap
3. Tables
4. Wash basins or buckets
5. Clean towels

Station 12: Redress

If re-entering exclusion zone put on clean field clothes (e.g., Tyvek, gloves, etc.).

Necessary equipment includes:

1. Table
2. Clothing

4.2.2 Decontamination of Heavy Equipment

Drilling equipment (e.g. rods, augers, etc…) will be steam cleaned and decontaminated prior leaving the site. The equipment will be decontaminated in the following manner:

- The heavy equipment will be steam cleaned to remove gross contamination.
- Sensitive equipment, such as field meters and surveying instruments, will be wiped with a clean, damp cloth.

5. SAMPLE SHIPMENT

Samples collected, if any, during this remedial action will be classified as non-hazardous samples. In general, hazardous samples are collected from areas where high concentrations of contamination are known or suspected.

5.1 Hazardous Samples

The majority of the environmental samples, if collected, from the site will be shipped as non-hazardous samples. If these conditions exist in grossly contaminated soils, then the grossly contaminated soil samples will be shipped as DOT Hazardous Materials. For example, the designation "Flammable Liquid" or "Flammable Solid" can be used. Refer to International Air Transport Association Guidelines for shipping dangerous goods if the carrier will move the package by air. A completed airway bill must accompany the package and all appropriate labels must be attached to the package.

The example flammable samples will be transported as follows:

1. Collect sample in a 16-ounce or smaller glass or polyethylene container with nonmetallic teflon-lined screw cap. Allow sufficient air space (approximately 10% by volume) so container is not liquid full at 54 ^{O}C (130 ^{O}F). If collecting a solid material, the container plus contents should not exceed 1 pound net weight. If sampling for volatile organic analysis, fill VOA container to septum but place the VOA container inside a 16-ounce or smaller container so the required air space may be provided. Large quantities, up to 3.786 liters (1 gallon), may be collected if the sample's flash point is 23 ^{O}C (75 ^{O}F) or higher. In this case, the flash point must be marked on the outside container (e.g., carton, cooler), and shipping papers should state that "Flash point is 73 ^{O}F or higher."
2. Seal sample and place in a 4-mil-thick polyethylene bag, one sample per bag.
3. Place sealed bag inside a metal jerrican with noncombustible, absorbent cushioning material (e.g., vermiculite or earth) to prevent breakage, one bag per can. Pressure-close the can and use clips, tape or other positive means to hold the lid securely.
4. Mark the can with:

   Name and address of originator

   "Flammable Liquid N.O.S. UN 1993"

   (or "Flammable Solid N.O.S. UN 1325)

   NOTE: UN numbers are now required in proper shipping names.
5. Place one or more metal cans in a strong outside container such as an approved plastic cooler or DOT labeled fiberboard box. Preservatives are not used for hazardous waste site samples.

6. Prepare for shipping:

   "Flammable Liquid, N.O.S. UN 1993" or "Flammable Solid, N.O.S. UN 1325"; "Cargo Aircraft Only (if more than 1 quart net per outside package); "Limited Quantity" or "Ltd. Qty."; "Laboratory Samples"; "Net Weight" or "Net Volume" (of hazardous contents) should be indicated on shipping papers and on outside of shipping container. "This Side Up" or "This End Up" should also be on container. Sign shipper certification. The emergency number for shipping dangerous goods: Chem-Tel (800) 255-3924.

7. Stand by for possible carrier requests to open outside containers for inspection or modify packaging. It is wise to contact carrier before packing to ascertain local packaging requirements and not to leave area before the carrier vehicle (aircraft, truck) is on its way.

5.2 Shipping Papers

Proper shipping papers should be filled out and maintained within the driver's reach, whenever personnel carries hazardous materials in a vehicle in quantities above those allowed for Materials of Trade (MOTs). Such materials may include more than 8 gallons of the following:

- Gasoline (for use in a generator) UN1203, Guide #27
- Methanol (for use in decontamination procedures) UN 1230, Guide #28
- Nitric Acid (for use in decontamination procedures) UN 1760, Guide #60
- Hydrochloric Acid (for use in decontamination procedures) UN 1789, Guide #60

Other materials may include the following:

- > 220 pounds of compressed Gas [Air, Compressed] (calibration gas for the FID, or Grade D breathing air for Level B work) UN 1002, Class 2.2.
- Other hazardous materials as defined by the DOT.

Appropriate MSDSs should be maintained with the shipping papers and/or the pocket DOT Emergency Response Guidebook.

6. ACCIDENT PREVENTION AND CONTINGENCY PLAN

6.1 Accident Prevention

All field personnel will receive health and safety training prior to the initiation of any site activities. On a day-to-day basis, individual personnel should be constantly alert for indicators of potentially hazardous situations and for signs and symptoms in themselves and others that warn of hazardous conditions and exposures. Rapid recognition of dangerous situations can avert an emergency. Before daily work assignments, regular meetings should be held. Discussion should include:

- Tasks to be performed.
- Time constraints (e.g., rest breaks, cartridge changes).
- Hazards that may be encountered, including their effects, how to recognize symptoms or monitor them, concentration limits, or other danger signals.
- Emergency procedures.

6.1.1 Vehicles and Heavy Equipment

Working with large motor vehicles and heavy equipment could be a major hazard at this site. Injuries can result from equipment hitting or running over personnel, impacts from flying objects, or overturning of vehicles. Vehicle and heavy equipment design and operation will be in accordance with 29 CFR, Subpart O, 1926.600 through 1926.602. In particular, the following precautions will be utilized to help prevent injuries/accidents.

- Brakes, hydraulic lines, light signals, fire extinguishers, fluid levels, steering, tires, horn, and other safety devices will be checked at the beginning of each shift.
- Large construction motor vehicles will not be backed up unless:
  - The vehicle has a reverse signal alarm audible above the surrounding noise level; or
  - The vehicle is backed up only when an observer signals that it is safe to do so.
- Heavy equipment or motor vehicle cabs will be kept free of all nonessential items, and all loose items will be secured.
- Large construction motor vehicles and heavy equipment will be provided with necessary safety equipment (seat belts, rollover protection, emergency shut-off in case of rollover, backup warning lights and audible alarms.)
- Blades and buckets will be lowered to the ground and parking brakes will be set before shutting off any heavy equipment or vehicles.

6.1.2 Electrical

- Only qualified personnel are permitted to work on unprotected energized electrical systems.
- Only authorized personnel are permitted to enter high-voltage areas.
- Electrical wiring and equipment will be handled only by those qualified to do so. All electrical wiring and equipment must be considered energized until lockout/tag out procedures is implemented.
- All electrical equipment, power tools, and extension cords must be inspected for damage prior to use. Do not use defective electrical equipment, remove from service.
- All temporary wiring, including extension cords and electrical power tools, must have ground fault circuit interrupters (GFCIs) installed.
- Extension cords must be:
  - equipped with third-wire grounding.
  - covered, elevated, or protected from damage when passing through work areas.
  - protected from pinching if routed through doorways.
  - not fastened with staples, hung from nails, or suspended with wire.
- Electrical power tools and equipment must be effectively grounded or double-insulated UL approved.
- Electric power tools and equipment must be operated and maintained according to manufacturers' instructions.
- Safe clearance distances between overhead power lines and any electrical conducting material must be maintained unless the power lines have been de-energized and grounded, or where insulating barriers have been installed to prevent physical contact. (Maintain at least 10 feet from overhead power lines for voltages of 50 kV or less, and 10 feet plus ½ inch for every 1 kV over 50 kV).
- Temporary lights shall not be suspended by their electric cord unless designed for suspension. Lights shall be protected from accidental contact or breakage.
- Electrical equipment, tools, switches, and outlets must be protected from environmental elements.

6.1.3 Fire/Explosion

- Fire extinguishers shall be provided so that the travel distance from any work area to the nearest extinguisher is less than 100 feet. When 5 gallons or more of a flammable or combustible liquid is being used, an extinguisher must be within 50 feet. Extinguishers must:
  - be maintained in a fully charged and operable condition,
  - be visually inspected each month, and
  - undergo a maintenance check each year.
- The area in front of extinguishers must be kept clear.
- "Exit" signs and "Fire Extinguisher" signs must be posted over existing doors and extinguisher locations.
- Combustible materials stored outside should be at least 10 feet from any building.
- Solvent waste and oily rags must be kept in a fire resistant, covered container until removed from the site.
- Flammable/combustible liquids must be kept in approved containers, and must be stored in an approved storage cabinet.

6.2 Contingency Plan

6.2.1 Emergency Procedures

In the event that an emergency develops on site, the procedures delineated herein are to be immediately followed. Emergency conditions are considered to exist if:

- Any member of the field crew is involved in an accident or experiences any adverse effects or symptoms of exposure while on site.
- A condition is discovered that suggests the existence of a situation more hazardous than anticipated.

General emergency procedures, and specific procedures for personal injury and chemical exposure, are described in the health and safety plan.

6.2.2 Chemical Exposure

If a member of the field crew demonstrates symptoms of chemical exposure, the procedures outlined below should be followed:

- Another team member (buddy) should remove the individual from the immediate area of contamination. The buddy should communicate to the Field Team Leader (via voice and hand signals) of the chemical exposure. The Field Team Leader should contact the appropriate emergency response agency.
- Precautions should be taken to avoid exposure of other individuals to the chemical.
- If the chemical is on the individual's clothing, the chemical should be neutralized or removed if it is safe to do so.
- If the chemical has contacted the skin, the skin should be washed with copious amounts of water.
- In case of eye contact, an emergency eyewash should be used. Eyes should be washed for at least 15 minutes.
- All chemical exposure incidents must be reported in writing to the Office Health and Safety Representative. The Site Health and Safety Officer or Field Team Leader is responsible for completing the accident report (See Appendix B of this Section).

6.2.3 Personal Injury

In case of personal injury at the site, the following procedures should be followed:

- Another team member (buddy) should signal the Field Team Leader that an injury has occurred.

- A field team member trained in first aid can administer treatment to an injured worker.
- The victim should then be transported to the nearest hospital or medical center. If necessary, an ambulance should be called to transport the victim.
- For less severe cases, the individual can be taken to the site dispensary.
- The Field Team Leader or Site Health and Safety Officer is responsible for making certain that an accident report form is completed. This form is to be submitted to the Office Health and Safety Representative. Follow-up action should be taken to correct the situation that caused the accident.

6.2.4 Evacuation Procedures

- The Field Team Leader will initiate evacuation procedure by signaling to leave the site.
- All personnel in the work area should evacuate the area and meet in the common designated area.
- All personnel suspected to be in or near the contract work area should be accounted for and the whereabouts of missing persons determined immediately.
- The Field Team Leader will then give further instruction.

6.2.5 Procedures Implemented in the Event of a Major Fire, Explosion, or On-Site Health Emergency Crisis

- Notify the paramedics and/or fire department, as necessary;
- Signal the evacuation procedure previously outlined and implements the entire procedure;
- Isolate the area;
- Stay upwind of any fire;
- Keep the area surrounding the problem source clear after the incident occurs;
- Complete an accident report form and distribute to appropriate personnel.

6.2.6 Communication

Communication via either radio or cellular phone will be maintained between the field office and all work parties. In case of emergency or accident, the field emergency response person will immediately notify the field office via the communication equipment.

Field team members will use the *buddy* system while performing field activities. Buddies will pre-arrange hand signals for communication. The following hand signals are suggested:

_ **Hand gripping throat**: out of air, cannot breathe.

_ **Grip partner's wrist or place both arms straight up overhead**: Leave area immediately, no debate.

_ **Place both arms overhead in form of an "X"**: Need assistance.

_ **Thumbs up**: OK, I am all right; or I understand.

_ **Thumbs down**: No or negative.

APPENDIX A

AIR MONITORING EQUIPMENT CALIBRATION AND MAINTENANCE

AIR MONITORING EQUIPMENT CALIBRATION AND MAINTENANCE

All monitoring instruments must be calibrated and maintained periodically. The operator must understand the limitations and possible sources of error for each instrument. The operator shall ensure that the instruments respond properly to the substances that they are designed to monitor. Portable air quality monitoring equipment that measures total ionizables present, such as the Rae Systems Mini-RAE□ must be calibrated at least once each day. Four gas meters must be calibrated at least once each day. Real time aerosol monitors, such as the MINI-RAM□, must be zeroed at the beginning of each workday. The specific instructions for calibration and maintenance provided for each instrument should be followed.

APPENDIX B

FORMS FOR HEALTH AND SAFETY-RELATED ACTIVITIES

Note: The OSHA Job Safety and Health Protection Poster must be posted prominently during field activities. The following page is an example of the poster to be used in the field. The actual poster must be an 11 inch by 17-inch size version of this page.

ACCIDENT REPORT FORM

Project Name:_____

INJURED OR ILL EMPLOYEE

1. Name _____ Social Security #_____
   (First) (Middle) (Last)
2. Home Address _____
   (No. and Street) (City or Town) (State and Zip)
3. Age _____ 4. Sex: Male ( ) Female ( )
5. Occupation _____
   (Specific job title, not the specific activity employee was performing at time of injury)
6. Department _____

(Enter name of department in which injured person is employed, even though they may have been temporarily working in another department at the time of injury)

EMPLOYER

7. Name _____
8. Mailing Address _____
   (No. and Street) (City or Town) (State and Zip)
9. Location (if different from mailing address):_____

THE ACCIDENT OR EXPOSURE TO OCCUPATIONAL ILLNESS

10. Place of accident or exposure _____
    (No. and Street) (City or Town) (State and Zip)
11. Was place of accident or exposure on employer's premises? ____(Yes/No)
12. What was the employee doing when injured?_____

(Be specific - was employee using tools or equipment or handling material?)

13. How did the accident occur? _____
    (Describe fully the events that resulted in the injury or occupational illness. Tell what happened and how. Name objects and substances involved. Give details on all factors that led to accident. Use separate sheet if needed)

14. Time of accident: _____
15. Date of injury or initial diagnosis of occupational illness _____ (Date)
16. WITNESS TO ACCIDENT

(Name)	(Affiliation)	(Phone No.)
(Name)	(Affiliation)	(Phone No.)
(Name)	(Affiliation)	(Phone No.)

OCCUPATIONAL INJURY OR OCCUPATIONAL ILLNESS

17. Describe the injury or illness in detail; indicate part of body affected.

_____

_____

18. Name the object or substance, which directly injured the employee. (For example, object that struck employee; the vapor or poison inhaled or swallowed; the chemical or radiation that irritated the skin; or in cases of strains, hernias, etc., the object the employee was lifting, pulling, etc.)

_____

_____

19. Did the accident result in employee fatality? _____ (Yes or No)
20. Number of lost workdays _____/restricted workdays _____ resulting from injury or illness?

OTHER

21. Did you see a physician for treatment? _____ (Yes or No) _____ (Date)
22. Name and address of physician _____

_____

(No. and Street) (City or Town) (State and Zip)

23. If hospitalized, name and address of hospital _____

_____

(No. and Street) (City or Town) (State and Zip)

Date of report _____ Prepared by _____

Official position _____

PROJECT HEALTH AND SAFETY PLAN

AND WORK PLAN ACCEPTANCE FORM

I have read and agree to abide by the contents of the Work Plan and Health and Safety Plan for the following project:

(Project Title)	(Project Number)

Furthermore, I have read and am familiar with the work plan or proposal, which describes the fieldwork to be conducted and the procedures to be utilized in the conduct of this work.

Name (print)	Signature	Date

Place in project Health and Safety File as soon as possible

SITE-SPECIFIC HEALTH AND SAFETY TRAINING

(For All employees on site)

I hereby confirm that site-specific health and safety training has been conducted by the site health and safety officer who included:

- Names of personnel responsible for site safety and health
- Safety, health, and other hazards at the site
- Proper use of personal protective equipment
- Work practices by which the employee can minimize risk from hazards
- Safe use of engineering controls and equipment on the site
- Acute effects of compounds at the site
- Decontamination procedures

For the following project:

(Project Title)	(Project Number)

Name (print)	Signature	Date

Place in project Health and Safety File as soon as possible

APPENDIX C

MATERIAL SAFETY DATA SHEETS

APPENDIX D

STANDARD SAFE WORK PRACTICES

Material Safety Data Sheet
Ethylbenzene

ACC# 00596

Section 1 - Chemical Product and Company Identification

MSDS Name: Ethylbenzene
Catalog Numbers: AC118080000, AC118080025, AC118080250, AC118080251, AC118085000, 11808-0010, O2751-1
Synonyms: Ethylbenzol; Phenylethane.
Company Identification:

Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410

For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
100-41-4	Ethylbenzene	>99	202-849-4

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear, colorless liquid. Flash Point: 15 deg C.
Warning! Flammable liquid and vapor. Causes eye, skin, and respiratory tract irritation. May be harmful if inhaled. Aspiration hazard if swallowed. Can enter lungs and cause damage. May cause central nervous system depression.
Target Organs: Central nervous system.

Potential Health Effects

Eye: Causes severe eye irritation. Causes redness and pain.
Skin: Causes skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis. May be absorbed through the skin. Causes redness and pain.
Ingestion: May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
Inhalation: Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. Vapors may cause dizziness or suffocation.
Chronic: Chronic inhalation may cause effects similar to those of acute inhalation.

Material Safety Data Sheet
Benzene

ACC# 02610

Section 1 - Chemical Product and Company Identification

MSDS Name: Benzene
Catalog Numbers: AC167660000, AC167660010, AC167660025, AC167660250, AC167665000, AC168650250, AC295330000, AC295330010, AC295330025, AC295330250, AC296880000, AC296880010, AC296880025, AC296880250, AC610230010, AC610231000, AC611001000, B243-4, B245-4, B245-500, B411-1, B411-4, B412-1, S79920ACS
Synonyms: Benzol; Cyclohexatriene; Phenyl hydride.
Company Identification:

Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410

For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
71-43-2	Benzene	> 99	200-753-7

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear colorless liquid. Flash Point: -11 deg C.
Danger! Extremely flammable liquid and vapor. Vapor may cause flash fire. Harmful if swallowed, inhaled, or absorbed through the skin. Causes eye, skin, and respiratory tract irritation. Contains benzene. Benzene can cause cancer. Aspiration hazard if swallowed. Can enter lungs and cause damage. May cause blood abnormalities. May cause central nervous system effects.
Target Organs: Blood, central nervous system, respiratory system, eyes, bone marrow, immune system, skin.

Potential Health Effects

Eye: Causes eye irritation.
Skin: Causes skin irritation. Harmful if absorbed through the skin. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis.
Ingestion: May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May cause effects similar to those for inhalation exposure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
Inhalation: Causes respiratory tract irritation. May cause drowsiness, unconsciousness, and central nervous system depression. Exposure may lead to irreversible bone marrow injury. Exposure may lead to aplastic anemia. Potential symptoms of overexposure by inhalation are dizziness, headache, vomiting, visual disturbances, staggering gait, hilarity, fatigue, and other symptoms of CNS depression.
Chronic: May cause bone marrow abnormalities with damage to blood forming tissues. May cause anemia and other blood cell abnormalities. Chronic exposure to benzene has been associated with an increased incidence of leukemia and multiple myeloma (tumor composed of cells of the type

normally found in the bone marrow). Immunodepressive effects have been reported. This substance has caused adverse reproductive and fetal effects in laboratory animals.

Section 4 - First Aid Measures

Eyes: In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid.
Skin: In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.
Ingestion: Potential for aspiration if swallowed. Get medical aid immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. Extremely flammable liquid and vapor. Vapor may cause flash fire. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire. May accumulate static electricity.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Flash Point: -11 deg C (12.20 deg F)
Autoignition Temperature: 498 deg C (928.40 deg F)
Explosion Limits, Lower:1.3 vol %
Upper: 7.1 vol %
NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Provide ventilation. Approach spill from upwind. Use water spray to cool and disperse vapors, protect personnel, and dilute spills to form nonflammable mixtures.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Take precautionary measures against static discharges. Keep container tightly closed. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Keep away from heat, sparks and flame. Avoid breathing vapor.
Storage: Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. See 29CFR 1910.1028 for the regulatory requirements for the control of employee exposure to benzene.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Benzene	0.5 ppm TWA; 2.5 ppm STEL; Skin - potential significant contribution to overall exposure by the cutaneous r oute	0.1 ppm TWA 500 ppm IDLH	1 ppm TWA; 10 ppm TWA (applies to industry segments exempt from the benzene stan dard at 29 CFR 1910.1028); 25 ppm Ceiling (applies to industry segments exempt from the 1 ppm TWA and 5 ppm STEL of th e benzene standard); 0.5 ppm Action Level; 1 ppm TWA; 5 ppm STEL (Cancer hazard, Flammable - see 29 C FR 1910.1028)

OSHA Vacated PELs: Benzene: 10 ppm TWA (unless specified in 1910.1028)

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: clear colorless

Odor: sweetish odor - aromatic odor

pH: Not applicable.

Vapor Pressure: 75 mm Hg @ 20 deg C

Vapor Density: 2.8 (air=1)

Evaporation Rate: Not available.

Viscosity: 0.647mPa @ 20 deg C

Boiling Point: 80.1 deg C

Freezing/Melting Point:5.5 deg C

Decomposition Temperature: Not available.

Solubility: 0.180 g/100 ml @ 25°C

Specific Gravity/Density:0.8765 @ 20°C

Molecular Formula:C6H6

Molecular Weight:78.11

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Ignition sources, excess heat, confined spaces.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 71-43-2: CY1400000
LD50/LC50:
CAS# 71-43-2:
Dermal, guinea pig: LD50 = >9400 uL/kg;
Draize test, rabbit, eye: 88 mg Moderate;
Draize test, rabbit, eye: 2 mg/24H Severe;
Draize test, rabbit, skin: 20 mg/24H Moderate;
Inhalation, mouse: LC50 = 9980 ppm;
Inhalation, mouse: LC50 = 24 mL/kg/2H;
Inhalation, rat: LC50 = 10000 ppm/7H;
Inhalation, rat: LC50 = 34 mL/kg/2H;
Inhalation, rat: LC50 = 6.5 mL/kg/4H;
Oral, mouse: LD50 = 4700 mg/kg;
Oral, rat: LD50 = 930 mg/kg;
Oral, rat: LD50 = 1 mL/kg;
Oral, rat: LD50 = 1800 Benzene is considered very toxic; probable human oral lethal dose would be 50-500 mg/kg. Human inhalation of approximately 20,000 ppm (2% in air) was fatal in 5-10 minutes. While percutaneous absorption of liquid benzene through intact human skin can be limited (e.g., 0.05% of the applied dose), the absorbed dose via direct dermal contact combined with that received from body surface exposure to benzene in workplace air is such that a substantial fraction (20-40%) of the total exposure is due to skin absorption.
Carcinogenicity:
CAS# 71-43-2:

- **ACGIH:** A1 - Confirmed Human Carcinogen
- **California:** carcinogen, initial date 2/27/87
- **NTP:** Known carcinogen
- **IARC:** Group 1 carcinogen

Epidemiology: IARC has concluded that epidemiological studies have established the relationship between benzene exposure and the development of acute myelogenous leukemia, and that there is sufficient evidence that benzene is carcinogenic to humans.
Teratogenicity: Inhalation, rat: TCLO = 50 ppm/24H (female 7-14 day(s) after conception) Effects on Embryo or Fetus - extra-embryonic structures (e.g., placenta, umbilical cord) and Effects on Embryo or Fetus - fetotoxicity (except death, e.g., stunted fetus).; Inhalation,mouse: TCLo = 5 ppm (female 6-15 day(s) after conception) Effects on Embryo or Fetus - cytological changes (including somatic cell genetic material) and Specific Developmental Abnormalities - blood and lymphatic systems (including spleen and marrow).
Reproductive Effects: Inhalation, rat: TCLO = 670 mg/m3/24H (female 15 day(s) pre-mating and female 1-22 day(s) after conception) female fertility index (e.g. # females pregnant per # sperm positive females; # females pregnant per # females mated).; Oral, mouse: TDLo = 12 gm/kg (female 6-15 day (s) after conception) Fertility - post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants).
Mutagenicity: DNA Inhibition: Human, Leukocyte = 2200 umol/L.; DNA Inhibition: Human, HeLa cell = 2200 umol/L.; Mutation Test Systems - not otherwise specified: Human, Lymphocyte = 5 umol/L.; Cytogenetic Analysis: Inhalation, Human = 125 ppm/1Y.; Cytogenetic Analysis: Human, Leukocyte = 1 mmol/L/72H.; Cytogenetic Analysis: Human, Lymphocyte = 1 mg/L.
Neurotoxicity: See actual entry in RTECS for complete information.
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: Fish: Mosquito Fish: TLm = 395 mg/L; 24 Hr; UnspecifiedFish: Goldfish: LC50 =46 mg/L; 24 Hr; Modified ASTM D 1345Fish: Fathead Minnow: LC50 = 15.1 mg/L; 96 Hr; Flow-through at 25°C (pH 7.9-8.0)Fish: Rainbow trout: LC50 = 5.3 mg/L; 96 Hr; Flow-through at 25°C (pH 7.9-8.0)Fish: Bluegill/Sunfish: LD50 = 20 mg/L; 24-48 Hr; Unspecified If benzene is released to soil, it will be subject to rapid volatilization near the surface and that which does not evaporate will be highly to very highly mobile in the soil and may leach to groundwater. If benzene is released to water, it will be subject to rapid volatilization. It will not be expected to significantly adsorb to sediment, bioconcentrate in aquatic organisms or hydrolyze. It may be subject to biodegradation.
Environmental: If benzene is released to the atmosphere, it will exist predominantly in the vapor phase. Gas-phase benzene will not be subject to direct photolysis but it will react with photochemically produced hydroxyl radicals with a half-life of 13.4 days. The reaction time in polluted atmospheres which contain nitrogen oxides or sulfur dioxide is accelerated with the half-life being reported as 4-6 hours. Benzene is fairly soluble in water and is removed from the atmosphere in rain.
Physical: Products of photooxidation include phenol, nitrophenols, nitrobenzene, formic acid, and peroxyacetyl nitrate.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series:
CAS# 71-43-2: waste number U019 (Ignitable waste, Toxic waste).

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	BENZENE	BENZENE
Hazard Class:	3	3
UN Number:	UN1114	UN1114
Packing Group:	II	II
Additional Info:		FLASHPOINT -11 C

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 71-43-2 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 71-43-2: 10 lb final RQ (received an adjusted RQ of 10 lbs based on potential carcinogeni
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes

CAS # 71-43-2: immediate, delayed, fire.

Section 313

This material contains Benzene (CAS# 71-43-2, > 99%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

Clean Air Act:

CAS# 71-43-2 is listed as a hazardous air pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

CAS# 71-43-2 is listed as a Hazardous Substance under the CWA. CAS# 71-43-2 is listed as a Priority Pollutant under the Clean Water Act. CAS# 71-43-2 is listed as a Toxic Pollutant under the Clean Water Act.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 71-43-2 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65

The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:

WARNING: This product contains Benzene, a chemical known to the state of California to cause cancer. WARNING: This product contains Benzene, a chemical known to the state of California to cause male reproductive toxicity.

California No Significant Risk Level: CAS# 71-43-2: 6.4 æg/day NSRL (oral); 13 æg/day NSRL (inhalation)

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

T F

Risk Phrases:

R 11 Highly flammable.
R 36/38 Irritating to eyes and skin.
R 45 May cause cancer.
R 46 May cause heritable genetic damage.
R 48/23/24/25 Toxic : danger of serious damage to health by prolonged exposure through inhalation, contact with skin and if swallowed.
R 65 Harmful: may cause lung damage if swallowed.

Safety Phrases:

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 53 Avoid exposure - obtain special instructions before use.

WGK (Water Danger/Protection)

CAS# 71-43-2: 3

Canada - DSL/NDSL

CAS# 71-43-2 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of B2, D2A, D2B.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 71-43-2 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 6/11/1999
Revision #8 Date: 9/11/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire. May accumulate static electricity.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Flash Point: 15 deg C (59.00 deg F)
Autoignition Temperature: 432 deg C (809.60 deg F)
Explosion Limits, Lower:1.2%
Upper: 6.8%
NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Provide ventilation. Control runoff and isolate discharged material for proper disposal. Use water spray to cool and disperse vapors and protect personnel.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid breathing vapor or mist.
Storage: Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Ethylbenzene	100 ppm TWA; 125 ppm STEL	100 ppm TWA; 435 mg/m3 TWA 800 ppm IDLH	100 ppm TWA; 435 mg/m3 TWA

OSHA Vacated PELs: Ethylbenzene: 100 ppm TWA; 435 mg/m3 TWA

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: clear, colorless

Odor: aromatic odor

pH: Not available.

Vapor Pressure: 9.6 mm Hg @ 25 deg C

Vapor Density: 3.7 (air=1)

Evaporation Rate:<1 (butyl acetate=1)

Viscosity: 0.63 mPa s 20 C

Boiling Point: 136 deg C

Freezing/Melting Point:-95 deg C

Decomposition Temperature: Not available.

Solubility: Insoluble.

Specific Gravity/Density:0.86

Molecular Formula:C8H10

Molecular Weight:106.17

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Ignition sources, excess heat.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 100-41-4: DA0700000
LD50/LC50:
CAS# 100-41-4:
Draize test, rabbit, eye: 500 mg Severe;
Inhalation, mouse: LC50 = 35500 mg/m3/2H;
Inhalation, rat: LC50 = 55000 mg/m3/2H;
Oral, rat: LD50 = 3500 mg/kg;
Oral, rat: LD50 = 3500 mg/kg;
Skin, rabbit: LD50 = 17800 uL/kg;
.
Inhalation rat LC50: 17.2 mg/l/4H from BASF.
Carcinogenicity:
CAS# 100-41-4:

- **ACGIH:** A3 - Confirmed animal carcinogen with unknown relevance to humans
- **California:** carcinogen, initial date 6/11/04
- **NTP:** Not listed.
- **IARC:** Group 2B carcinogen

Epidemiology: No information found
Teratogenicity: No information found
Reproductive Effects: No information found
Mutagenicity: Mutation in mammalian somatic cells(Rodent,mouse) Lymphocyte = 80 mg/L.
Neurotoxicity: No information found
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: Fish: Rainbow trout: LC50 = 14.0 mg/L; 96 Hr.; Static BioassayFish: Fathead Minnow: LC50 = 12.1 mg/L; 96 Hr.; Flow-through BioassayFish: Bluegill/Sunfish: LC50 = 150.0 mg/L; 96 Hr.; Static Bioassay, pH 6.5-7.9, 21-23 degrees CWater flea EC50 = 2.1 mg/L; 48 Hr.; Static BioassayWater flea EC50 = 75.0 mg/L; 48 Hr.; Static Bioassay Shrimp (mysidoposis bahia), LC50=87.6 mg/L/96hr. Sheepshead minnow LC50=275 mg/L/96hr. Fathead minnow LC50=42.3 mg/L/96hr in hard water &48.5 mg/L/96hr in softwater.
Environmental: Experimental data on the bioconcentration of ethylbenzene include a log BCF of 1.9 in goldfish and the log BCF of 0.67 for clams exposed to the water-soluble fraction of crude oil. Using its octanol/water partition coefficient (log Kow= 3.15) and using a recommended regression equation, one can calculate a log BCF in fish of 2.16 indicating that ethylbenzene should not significantly bioconcentrate in aquatic organisms. Ethylbenzene has a moderate adsorption for soil. The measured Koc for silt loam was 164
Physical: The predominant photochemical reaction of ethylbenzene in the atmosphere is with hydroxyl radicals; the tropospheric half-life for this reaction is 5.5 and 24 hr in the summer and winter, actively. Degradation is somewhat faster under photochemical smog situations. Photooxidation products which have been identified include ethylphenol, benzaldehyde, acetophenone and m- and p-ethylnitrobenzene. Ethylbenzene is resistant to hydrolysis. Ethylbenzene does not significantly absorb light above 290 nm in methanol solution.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	ETHYLBENZENE	ETHYLBENZENE
Hazard Class:	3	3
UN Number:	UN1175	UN1175
Packing Group:	II	II
Additional Info:		FLASHPOINT 15 C

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 100-41-4 is listed on the TSCA inventory.
Health & Safety Reporting List
CAS# 100-41-4: Effective 6/19/87, Sunset 6/19/97
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 100-41-4: 1000 lb final RQ; 454 kg final RQ
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 100-41-4: immediate, delayed, fire.
Section 313
This material contains Ethylbenzene (CAS# 100-41-4, >99%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
CAS# 100-41-4 is listed as a hazardous air pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
CAS# 100-41-4 is listed as a Hazardous Substance under the CWA. CAS# 100-41-4 is listed as a Priority Pollutant under the Clean Water Act. CAS# 100-41-4 is listed as a Toxic Pollutant under the Clean Water Act.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 100-41-4 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65
The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:
WARNING: This product contains Ethylbenzene, a chemical known to the state of California to cause cancer.
California No Significant Risk Level: None of the chemicals in this product are listed.

European / International Regulations

European Labeling in Accordance with EC Directives
Hazard Symbols:
XN F
Risk Phrases:
R 11 Highly flammable.
R 20 Harmful by inhalation.

Safety Phrases:
S 16 Keep away from sources of ignition - No smoking.
S 24/25 Avoid contact with skin and eyes.
S 29 Do not empty into drains.

WGK (Water Danger/Protection)
CAS# 100-41-4: 1
Canada - DSL/NDSL
CAS# 100-41-4 is listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of B2, D2B, D2A.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
Canadian Ingredient Disclosure List
CAS# 100-41-4 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 4/28/1999
Revision #6 Date: 11/29/2007

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

DIBENZO(a,h)ANTHRACENE

0431
October 1995

CAS No: 53-70-3
RTECS No: HN2625000
EC No: 601-041-00-2

1,2:5,6-Dibenzanthracene
$C_{22}H_{14}$
Molecular mass: 278.4

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Water spray, powder.
EXPLOSION			
EXPOSURE		**AVOID ALL CONTACT!**	
Inhalation		Local exhaust or breathing protection.	Fresh air, rest.
Skin	Redness. Swelling. Itching.	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes	Redness.	Face shield or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion		Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into sealable containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Personal protection: P3 filter respirator for toxic particles.	T Symbol N Symbol R: 45-50/53 S: 53-45-60-61

EMERGENCY RESPONSE	SAFE STORAGE
	Well closed.

IPCS
International Programme on Chemical Safety

Prepared in the context of cooperation between the International Programme on Chemical Safety and the European Commission

SEE IMPORTANT INFORMATION ON THE BACK.

IMPORTANT DATA

Physical State; Appearance
COLOURLESS CRYSTALLINE POWDER.

Occupational exposure limits
TLV not established.

Routes of exposure
The substance can be absorbed into the body by inhalation, through the skin and by ingestion.

Inhalation risk
Evaporation at 20/C is negligible; a harmful concentration of airborne particles can, however, be reached quickly.

Effects of long-term or repeated exposure
The substance may have effects on the skin, resulting in photosensitization. This substance is probably carcinogenic to humans.

PHYSICAL PROPERTIES

Boiling point: 524/C
Melting point: 267/C
Relative density (water = 1): 1.28

Solubility in water: none
Octanol/water partition coefficient as log Pow: 6.5

ENVIRONMENTAL DATA

Bioaccumulation of this chemical may occur in seafood.

NOTES

This is one of many polycyclic aromatic hydrocarbons - standards are usually established for them as mixtures, e.g., coal tar pitch volatiles. However, it may be encountered as a laboratory chemical in its pure form.
Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken.
Do NOT take working clothes home.
DBA is a commonly used name.
This substance is one of many polycyclic aromatic hydrocarbons (PAH).
Card has been partly updated in October 2005. See section EU classification.

ADDITIONAL INFORMATION

FLUKA CHEMICAL CORP -- BIS(2-ETHYLHEXYL) PHTHALATE, 80032 -- 6810-00N050723

========== Product Identification ==========

Product ID:BIS(2-ETHYLHEXYL) PHTHALATE, 80032
MSDS Date:11/23/1993
FSC:6810
NIIN:00N050723
MSDS Number: BVKBT
=== Responsible Party ===
Company Name:FLUKA CHEMICAL CORP
Address:980 SOUTH SECOND STREET
City:RONKONKOMA
State:NY
ZIP:11779-7238
Country:US
Emergency Phone Num:516-467-3535
CAGE:63181
=== Contractor Identification ===
Company Name:FLUKA CHEMICAL CORP
Address:1001 WEST ST PAUL
Box:City:MILWAUKEE
State:WI
ZIP:53233
Country:US
Phone:414-273-3850
CAGE:63181

========== Composition/Information on Ingredients ==========

Ingred Name:PHTHALIC ACID, BIS(2-ETHYLHEXYL)ESTER;
(BIS(2-ETHYLHEXYL)PHTHALATE)
CAS:117-81-7
RTECS #:TI0350000
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3;10 STEL
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

========== Hazards Identification ==========

LD50 LC50 Mixture:LD50:(ORAL,RAT)30600 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: HARMFUL IF SWALLOWED,
INHALED/ABSORBED THRU SKIN. CAUSES SKIN IRRIT. VAP/MIST IS
IRRITATING TO EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
EXPOS CAN CAUSE: GI DISTURBANCES. DAMAGE TO LI VER. CHRONIC:
CARCIN. OVEREXP MAY CAUSEREPROD DISORDER(S) BASED ON TESTS W/LAB
ANIMALS. MAY CAUSE (EFTS OF OVEREXP)
Explanation of Carcinogenicity:PHTHALIC ACID, BIS(2-ETHYLHEXYL)ESTER:
IARC MONO, SUPP, VOL 7, PG 56, 1987: GRP 2B. NTP 7TH ANNUAL REPORT
ON (SUPDAT)
Effects of Overexposure:HLTH HAZ: REPROD DISORDERS. TARGET ORGANS:
LIVER, GI SYSTEM.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

========== First Aid Measures ==========

First Aid:EYES: IMMED FUSH W/COPIOUS AMTS OF WATER FOR @ LST 15 MIN.
SKIN: IMMED FLUSH W/COPIOUS AMTS OF WATER FOR @ LST 15 MIN WHILE
REMOVING CONTAMD CLTHG & SHOES. REMOVE & WASH CONTAMD CLTHG
PROMPTLY. DISCAR D CONTAMD SHOES. INHAL: REMOVE TO FRESHAIR. IF NOT
BRTHG GIVE ARTF RESP. IF BRTHG IS DFCLT, GIVE OXYGEN. INGEST: WASH
OUT MOUTH W/WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYS.

========== Fire Fighting Measures ==========

Flash Point:405F,207C
Lower Limits:0.3%
Extinguishing Media:WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . USE WATER SPRAY TO COOL FIRE-EXPOSED CONTRS.
Unusual Fire/Explosion Hazard:EMITS FUMES UNDER FIRE CONDITIONS.

========== Accidental Release Measures ==========

Spill Release Procedures:WEAR NIOSH/MSHA APPRVD SCBA, RUBBER BOOTS AND HEAVY RUBBER GLOVES. ABOSRB ON SAND/VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL. VENT AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLE TE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

========== Handling and Storage ==========

Handling and Storage Precautions:DO NOT BREATHE VAP. DO NOT GET IN EYES, ON SKIN/CLTHG. AVOID PRLNGD/RPTD EXPOS. IRRITANT. CARCIN. POSS TETRATOGEN. REPROD HAZ. KEEP TIGHTLY CLSD.
Other Precautions:STORE IN A COOL DRY PLACE. MAY CAUSE CANCER.

========== Exposure Controls/Personal Protection ==========

Respiratory Protection:WEAR APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation:USE ONLY IN A CHEMICAL FUME HOOD.
Protective Gloves:CHEMICAL-RESISTANT GLOVES.
Eye Protection:SAFETY GOGGLES.
Other Protective Equipment:OTHER PROTECTIVE CLOTHING. SAFETY SHOWER AND EYE BATH.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
EXPLAN OF CARCIN: CARCIN, 1994: ANTIC TO BE CARCIN. ANIMAL: LIVER, TESTES.

========== Physical/Chemical Properties ==========

Boiling Pt:B.P. Text:723F,384C
Melt/Freeze Pt:M.P/F.P Text:-58F,-50C
Vapor Pres:1.2@93C
Vapor Density:>16
Spec Gravity:0.981
Appearance and Odor:VISCOUS COLORLESS LIQUID

========== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE.

========== Disposal Considerations ==========

Waste Disposal Methods:DISSOLVE/MIX MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AN SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.

SUPELCO INC -- 48499, INDENO (1,2,3-CD) PYRENE 10MG -- 6810-00N032522

========== Product Identification ==========

Product ID:48499, INDENO (1,2,3-CD) PYRENE 10MG
MSDS Date:06/06/1985
FSC:6810
NIIN:00N032522
MSDS Number: BNSSK
=== Responsible Party ===
Company Name:SUPELCO INC
Address:SUPELCO PARK
City:BELLEFONTE
State:PA
ZIP:16823-0048
Country:US
Info Phone Num:814-359-3441
Emergency Phone Num:814-359-3441
CAGE:54968
=== Contractor Identification ===
Company Name:SIGMA-ALDRICH INC.
Address:3050 SPRUCE STREET
Box:14508
City:ST. LOUIS
State:MO
ZIP:63103
Country:US
Phone:314-771-5765/414-273-3850X5996
CAGE:54968

========== Composition/Information on Ingredients ==========

Ingred Name:INDENO 1,2,3-CD PYRENE
CAS:193-39-5
RTECS #:NK9300000
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

========== Hazards Identification ==========

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:REPORTED ANIMAL CARCINOGEN.
Explanation of Carcinogenicity:INDENO(1,2,3-CD) PYRENE: GROUP 2B(IARC),
ANTICIPATED TO BE CARCINOGEN (NTP).
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

========== First Aid Measures ==========

First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 15 MIN. SKIN: FLUSH WITH
LARGE VOLUMES OF WATER. REMOVE CONTAMINATED CLOTHING. INHAL: MOVE
TO FRESH AIR. IF BREATHING STOPS, GIVE ARTF RESP. INGEST: IMMED
CONTACT A PHYSICIAN.

========== Fire Fighting Measures ==========

Flash Point:400F,204C
Extinguishing Media:CO2, DRY CHEMICAL.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT .

========== Accidental Release Measures ==========

Spill Release Procedures:SWEEP UP MATERIAL. AVOID GENERATING DUST.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

========== Handling and Storage ==========

Handling and Storage Precautions:STORE IN SEALED CONTR IN COOL, DRY LOCATION. KEEP AWAY FROM OXIDIZERS. STORE IN DRY, WELL VENTILATED AREA.
Other Precautions:REPORTED CANCER HAZARD. AVOID EYE OR SKIN CONTACT.

========== Exposure Controls/Personal Protection ==========

Respiratory Protection:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .
Ventilation:USE ONLY IN EXHAUST HOOD.
Protective Gloves:NEOPRENE GLOVES.
Eye Protection:CHEMICAL WORKERS GOGGLES .
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

========== Physical/Chemical Properties ==========

HCC:T6
Melt/Freeze Pt:M.P/F.P Text:324F,162C
Vapor Pres:0.10
Appearance and Odor:YELLOW CRYSTALS

========== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS. METALLIC SODIUM & POTASSIUM.

========== Disposal Considerations ==========

Waste Disposal Methods:COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL REGULATIONS.

KOPPERS CO INC -- COAL TAR PITCH -- 5610-00F025191

========== Product Identification ==========

Product ID:COAL TAR PITCH
MSDS Date:09/01/1985
FSC:5610
NIIN:00F025191
MSDS Number: BNZJK
=== Responsible Party ===
Company Name:KOPPERS CO INC
Address:436 7TH AVE
City:PITTSBURGH
State:PA
ZIP:15219
Country:US
Info Phone Num:800-556-7737
Emergency Phone Num:800-553-5631
CAGE:KOPPE
=== Contractor Identification ===
Company Name:KOPPERS CO INC
Address:436 7TH AVE
City:PITTSBURGH
State:PA
ZIP:15219
Country:US
Phone:800-556-7737
CAGE:KOPPE
Company Name:KOPPERS ROOFING SERVICES
Address:436 7TH AVE
Box:City:PITTSBURGH
State:PA
ZIP:15219
Country:US
Phone:412-227-2884
CAGE:0EGB7

========== Composition/Information on Ingredients ==========

Ingred Name:COAL TAR PITCH (SUSPECTED A1 HUMAN CARCINOGEN BY ACGIH,
NTP)
CAS:65996-93-2
RTECS #:GF8655000
Other REC Limits:0.1 MG/CUM
OSHA PEL:200 MG/CUM
ACGIH TLV:0.2 MG/CUM (A1)

========== Hazards Identification ==========

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYE: IRRITATION/CORNEAL CHANGE/THERMAL
BURN. SKIN: IRRITATION/HARMFUL/PHOTOTOXIC REACTION/CANCER/THERMAL
BURN. INHALATION: HARMFUL/RESPIRATORY TRACT IRRITATION &
DIFFICULTIES/CNS EFFECT/CARDIOVASCULAR COLLAPSE. INGESTION: GI
DISTURBANCE/IRRITATION/NAUSEA/VOMITING/ABDOMINAL
PAIN/HARMFUL/CARDIOVASCULAR INVOLVEMENT.
Explanation of Carcinogenicity:SEE INGREDIENTS.
Effects of Overexposure:EYE: IRRITATION/CORNEAL CHANGE/THERMAL BURN.
SKIN: IRRITATION/HARMFUL/PHOTOTOXIC REACTION/CANCER/THERMAL BURN.
INHALATION: HARMFUL/RESPIRATORY TRACT IRRITATION & DIFFICULTIES/CNS

EFFECT/CARDIOVASCULAR COLLAPSE. INGESTION: GI DISTURBANCE/IRRITATION/NAUSEA/VOMITING/ABDOMINAL PAIN/HARMFUL/CARDIOVASCULAR INVOLVEMENT.
Medical Cond Aggravated by Exposure:LIVER/KIDNEY/SKIN/CNS/RESPIRATORY DISEASES

========== First Aid Measures ==========

First Aid:EYE: IMMEDIATELY FLUSH W/LARGE AMOUNTS OF WATER FOR 15 MINS. SKIN: WASH THOROUGHLY W/WATERLESS HAND CLEANER. FLUSH W/LARGE AMOUNTS OF COLD WATER. SUBMERGE AREA IN COLD WATER. PACK W/ICE. INHALATION: R EMOVE TO FRESH AIR. IF BREATHING HAS STOPPED OR IS DIFFICULT, ADMINISTER ARTIFICIAL RESPIRATION OR OXYGEN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

========== Fire Fighting Measures ==========

Flash Point Method:COC
Flash Point:302F
Extinguishing Media:DRY CHEMICAL, CO2, FOAM, OR WATER SPRAY. WATER OR FOAM MAY CAUSE FROTHING, IF MOLTEN.
Fire Fighting Procedures:WEAR FULL FACE APPROVED SELF-CONTAINED BREATHING APPARATUS. USE WATER TO COOL FIRE-EXPOSED CONTAINER/STRUCTURE/PROTECT PERSONNEL.
Unusual Fire/Explosion Hazard:FIRE GIVES OFF TOXIC VAPORS. VAPORS ARE RELEASED/DUST MAY FORM EXPLOSIVE MIXTURES IN AIR. CLOSED CONTAINERS EXPLODE IN HEAT. COMBUSTIBLE AT HIGH TEMPERATURES.

========== Accidental Release Measures ==========

Spill Release Procedures:SOLIDIFIED SPILL: SHOVEL INTO DRY CONTAINERS/COVER. FLUSH AREA W/WATER. CONTAIN RUNOFF FROM FIRE CONTROL/DILUTION WATER. TREAT AS A COAL SPILLAGE/RECOVER SPILLAGE. IF HOT LIQUID IS SPILLED, CONTAIN W/ SAND/ASHES. ALLOW TO COOL/SCRAPE UP/DISPOSE.

========== Handling and Storage ==========

Handling and Storage Precautions:AVOID CONTACT W/SKIN & EYES. KEEP IN A CLOSED, LABELED CONTAINER W/IN A COOL, WELL SHADED, DRY VENTILATED AREA. AVOID INHALATION OF DUSTS/VAPORS.
Other Precautions:PROTECT FROM PHYSICAL DAMAGE. READ/UNDERSTAND MSDS. APPLY PROTECTIVE CREAMS BEFORE WORKING/SEVERAL TIMES DURING WORK. DON'T USE/STORE IN HOME. DON'T INGEST. DON'T WEAR CONTACT LENS W/OUT PROPER EYE PR OTECTION WHEN USING PRODUCT.

========== Exposure Controls/Personal Protection ==========

Respiratory Protection:USE MSHA/NIOSH APPROVED COMBINATION FILTER/ORGANIC VAPOR CARTRIDGES OR CANISTERS. FULL-FACE PIECE RESPIRATORY PROTECTIVE UNITS REQUIRED.
Ventilation:SUFFICIENT GENERAL/LOCAL EXHAUST: IN PATTERN/VOLUME TO CONTROL INHALATION EXPOSURES & TO KEEP <TLV.
Protective Gloves:HEAT RESISTANT INDUSTRIAL FABRIC-TYPE
Eye Protection:INDUSTRIAL SAFETY GLASSES, GOGGLES
Other Protective Equipment:SIDE/FACE SHIELD/INDUSTRIAL-TYPE WORK CLOTHING/SAFETY FOOTWEAR/HEAT & NECK COVER/APRON/JACKET/PANTS/COVERALLS/BOOTS
Work Hygienic Practices:PRACTICE GOOD HYGIENE. MAINTAIN GOOD HOUSEKEEPING. WASH BEFORE EATING/DRINKING/USING TOBACCO PRODUCTS OR REST ROOMS.
Supplemental Safety and Health

========== Physical/Chemical Properties ==========

Boiling Pt:B.P. Text:500F
Vapor Pres:1
Vapor Density:1
Spec Gravity:1.22
Evaporation Rate & Reference:(ETHER = 1): 1
Solubility in Water:NEGLIGIGLE
Appearance and Odor:BLACK SOLID W/NO ODOR AT 69.8F, AROMATIC ODOR AFTER MELTING.
Percent Volatiles by Volume:NEGL

========== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:EXTREME HEAT, PHYSICAL DAMAGE
Hazardous Decomposition Products:TOXIC FUMES

========== Disposal Considerations ==========

Waste Disposal Methods:DISPOSE OF AS A HAZARDOUS WASTE ACCORDING TO LOCAL, STATE, & FEDERAL REGULATIONS. PLACE IN TIGHTLY SEALED LABELED CONTAINERS.

Material Safety Data Sheet

Benzo[a]pyrene, 98%

ACC# 37175

Section 1 - Chemical Product and Company Identification

MSDS Name: Benzo[a]pyrene, 98%
Catalog Numbers: AC105600000, AC105600010, AC105601000, AC377200000, AC377200010, AC377201000 AC377201000
Synonyms: 3,4-Benzopyrene; 3,4-Benzpyrene; Benzo[def]chrysene.
Company Identification:

Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
50-32-8	Benzo[a]pyrene	>96	200-028-5

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: yellow to brown powder.
Danger! May cause harm to the unborn child. May impair fertility. May cause eye, skin, and respiratory tract irritation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Cancer hazard. May cause allergic skin reaction. May cause heritable genetic damage.
Target Organs: Reproductive system, skin.

Potential Health Effects

Eye: May cause eye irritation.
Skin: May cause skin irritation. May be harmful if absorbed through the skin. May cause an allergic reaction in certain individuals.
Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated. May be harmful if swallowed.
Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. May be harmful if inhaled.
Chronic: May cause cancer in humans. May cause reproductive and fetal effects. Laboratory experiments have resulted in mutagenic effects.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Flash Point: Not available.
Autoignition Temperature: Not available.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 2; Flammability: 0; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Benzo[a]pyrene	0.2 mg/m3 TWA (as benzene soluble aerosol) (listed under Coal tar pitches).	0.1 mg/m3 TWA (cyclohexane-extractable fraction) (listed under Coal tar pitches).80 mg/m3 IDLH (listed under Coal tar	0.2 mg/m3 TWA (as benzene soluble fraction) (listed under Coal tar pitches).

		pitches).	

OSHA Vacated PELs: Benzo[a]pyrene: No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Powder
Appearance: yellow to brown
Odor: faint aromatic odor
pH: Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 495 deg C @ 760 mm Hg
Freezing/Melting Point:175 - 179 deg C
Decomposition Temperature: Not available.
Solubility: 1.60x10-3 mg/l @25°C
Specific Gravity/Density: Not available.
Molecular Formula:C20H12
Molecular Weight:252.31

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Dust generation.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 50-32-8: DJ3675000
LD50/LC50:
Not available.

Carcinogenicity:
CAS# 50-32-8:

- **ACGIH:** A2 - Suspected Human Carcinogen

- **California:** carcinogen, initial date 7/1/87
- **NTP:** Suspect carcinogen
- **IARC:** Group 1 carcinogen (listed as Coal tar pitches).

Epidemiology: No information found
Teratogenicity: No information found
Reproductive Effects: Adverse reproductive effects have occurred in experimental animals.
Mutagenicity: Mutagenic effects have occurred in humans.Mutagenic effects have occurred in experimental animals.
Neurotoxicity: No information found
Other Studies:

Section 12 - Ecological Information

No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series:
CAS# 50-32-8: waste number U022.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	NOT REGULATED FOR DOMESTIC TRANSPORT	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOL (Benzo{a} pyrene)
Hazard Class:		9
UN Number:		UN3077
Packing Group:		III

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 50-32-8 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

CAS# 50-32-8: 1 lb final RQ; 0.454 kg final RQ

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 50-32-8: immediate, delayed.

Section 313

This material contains Benzo[a]pyrene (CAS# 50-32-8, >96%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR

Clean Air Act:

This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.
CAS# 50-32-8 is listed as a Priority Pollutant under the Clean Water Act.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 50-32-8 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65

The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:

WARNING: This product contains Benzo[a]pyrene, a chemical known to the state of California to cause cancer.

California No Significant Risk Level: CAS# 50-32-8: 0.06 æg/day NSRL

European / International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

T N

Risk Phrases:

R 43 May cause sensitization by skin contact.
R 45 May cause cancer.
R 46 May cause heritable genetic damage.
R 60 May impair fertility.
R 61 May cause harm to the unborn child.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 53 Avoid exposure - obtain special instructions before use.
S 60 This material and its container must be disposed of as hazardou s waste.
S 61 Avoid release to the environment. Refer to special instructions /safety data sheets.

WGK (Water Danger/Protection)

CAS# 50-32-8: No information available.

Canada - DSL/NDSL

CAS# 50-32-8 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of D2A.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 50-32-8 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 9/02/1997
Revision #7 Date: 6/30/2006

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

MSDS Number: **A7441** * * * * * *Effective Date:* ***08/17/06*** * * * * * *Supercedes:* ***11/12/03***

MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

J.T.Baker ®

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. And Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

ARSENIC, 1,000 UG/ML OR 10,000 UG/ML

1. Product Identification

Synonyms: None
CAS No.: Not applicable to mixtures.
Molecular Weight: Not applicable to mixtures.
Chemical Formula: Not applicable to mixtures.
Product Codes: 5704, 5718, 6442

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Arsenic	7440-38-2	0.1 - 1%	Yes
Nitric Acid	7697-37-2	< 4%	Yes
Water	7732-18-5	> 95%	No

3. Hazards Identification

Emergency Overview

DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR INHALED. AFFECTS

LIVER, KIDNEYS, LUNGS AND TEETH. CANCER HAZARD. CONTAINS INORGANIC ARSENIC WHICH CAN CAUSE CANCER. Risk of cancer depends on duration and level of exposure.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Cancer Causing)
Flammability Rating: 0 - None
Reactivity Rating: 1 - Slight
Contact Rating: 3 - Severe (Corrosive)
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: White (Corrosive)

Potential Health Effects

Nitric acid is extremely hazardous; it is corrosive, reactive, an oxidizer, and a poison. The health effects from exposure to diluted forms of this chemical are not well documented. They are expected to be less severe than those for concentrated forms which are referenced in the descriptions below.

Inhalation:
Corrosive! Inhalation of vapors can cause breathing difficulties and lead to pneumonia and pulmonary edema, which may be fatal. Other symptoms may include coughing, choking, and irritation of the nose, throat, and respiratory tract. Arsenic may cause inflammation of the mucous membranes with cough and foamy sputum, restlessness, dyspnea, cyanosis, and rales. Symptoms like those from ingestion exposure may follow. May cause pulmonary edema.

Ingestion:
Corrosive! Swallowing nitric acid can cause immediate pain and burns of the mouth, throat, esophagus and gastrointestinal tract. Arsenic is highly toxic! May cause burning in esophagus, vomiting, and bloody diarrhea. Symptoms of cold and clammy skin, low blood pressure, weakness, headache, cramps, convulsions, and coma may follow. May cause damage to liver and kidneys. A suspected fetal toxin. Death may occur from circulatory failure. Estimated lethal dose 120 milligrams.

Skin Contact:
Corrosive! Can cause redness, pain, and severe skin burns. Concentrated solutions cause deep ulcers and stain skin a yellow or yellow-brown color.

Eye Contact:
Corrosive! Vapors are irritating and may cause damage to the eyes. Contact may cause severe burns and permanent eye damage.

Chronic Exposure:
Long-term exposure to concentrated vapors may cause erosion of teeth and lung damage. Long-term exposures seldom occur due to the corrosive properties of the acid. Arsenic on repeated or prolonged skin contact may cause bronzing of the skin, edema, dermatitis, and lesions. Repeated or prolonged inhalation of dust may cause damage to the nasal septum. Chronic exposure from inhalation or ingestion may cause hair and weight loss, a garlic odor to the breath and perspiration, excessive salivation and perspiration, central nervous system damage, hepatitis, gastrointestinal disturbances, cardiovascular damage, and kidney and liver damage. Arsenic compounds are known human carcinogens and may be teratogenic

based on effects in laboratory animals.
Aggravation of Pre-existing Conditions:
Persons with pre-existing skin disorders, eye disease, or cardiopulmonary diseases may be more susceptible to the effects of this substance.

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4. First Aid Measures

Immediate first aid treatment reduces the health effects of this substance. First aid procedures given apply to concentrated solutions. Exposures to dilute solutions may not require these extensive first aid procedures.
Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:
If swallowed, give large quantities of water to drink and get medical attention immediately. Never give anything by mouth to an unconscious person.
Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately. Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to this substance.
Eye Contact:
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Note to Physician:
If emesis if unsuccessful after two doses of Ipecac, consider gastric lavage. Monitor urine arsenic level. Alkalization of urine may help prevent disposition of red cell breakdown products in renal tubular cells. If acute exposure is significant, maintain high urine output and monitor volume status, preferably with central venous pressure line. Abdominal X-rays should be done routinely for all ingestions. Chelation therapy with BAL, followed by n-penicillamine is recommended, but specific dosing guidelines are not clearly established.

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5. Fire Fighting Measures

Fire:
Not combustible, but concentrated material is a strong oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition.
Explosion:
Concentrated material reacts explosively with combustible organic or readily oxidizable materials such as: alcohols, turpentine, charcoal, organic refuse, metal powder, hydrogen sulfide, etc. Reacts with most metals to release hydrogen gas which can form explosive mixtures with air.
Fire Extinguishing Media:
If involved in a fire, use water spray.
Special Information:

Increases the flammability of combustible, organic and readily oxidizable materials. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

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6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

J. T. Baker NEUTRASORB® acid neutralizers are recommended for spills of this product.

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7. Handling and Storage

Store in a cool, dry, ventilated storage area with acid resistant floors and good drainage. Protect from physical damage. Keep out of direct sunlight and away from heat, water, and incompatible materials. Do not wash out container and use it for other purposes. When diluting, the acid should always be added slowly to water and in small amounts. Never use hot water and never add water to the acid. Water added to acid can cause uncontrolled boiling and splashing. Wear special protective equipment (Sec. 8) for maintenance break-in or where exposures may exceed established exposure levels. Wash hands, face, forearms and neck when exiting restricted areas. Shower, dispose of outer clothing, change to clean garments at the end of the day. Avoid cross-contamination of street clothes. Wash hands before eating and do not eat, drink, or smoke in workplace. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

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8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
For Nitric Acid:
OSHA Permissible Exposure Limit (PEL):
2 ppm (TWA)
ACGIH Threshold Limit Value (TLV):
2 ppm (TWA); 4 ppm (STEL)
For Inorganic Arsenic compounds (as As):
- OSHA Permissible Exposure Limit (PEL):
l0 ug/m3 (TWA), 5 ug/m3(Action Level), cancer hazard.

- ACGIH Threshold Limit Value (TLV):
0.01 mg/m3 (TWA), A1, confirmed human carcinogen.

Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded, wear a supplied air, full-facepiece respirator, airlined hood, or full-facepiece self-contained breathing apparatus. Canister-type respirators using sorbents are ineffective.

Skin Protection:
Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.

Eye Protection:
Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Other Control Measures:
Any area where inorganic arsenic is stored, handled, used, etc., must be established as a 'Regulated Area' with controlled access, limited to authorized persons. Containers of inorganic arsenic and Regulated Areas must be labeled to show a CANCER SUSPECT AGENT is present. Eating, drinking, and smoking should not be permitted in areas where solids or liquids containing arsenic or lead compounds are handled, processed, or stored. See OSHA substance-specific standard for more information on personal protective equipment, engineering and work practice controls, medical surveillance, record keeping, and reporting requirements. (arsenic: 29 CFR 1910 .1018; lead: 29 CFR 1910.1025).

---

9. Physical and Chemical Properties

Appearance:
Clear, colorless liquid.

Odor:
Odorless.

Solubility:
Infinitely soluble.

Specific Gravity:
No information found.

pH:
No information found.

% Volatiles by volume @ 21C (70F):
> 99

Boiling Point:
No information found.

Melting Point:
No information found.

Vapor Density (Air=1):
No information found.

Vapor Pressure (mm Hg):
No information found.

Evaporation Rate (BuAc=1):
No information found.

---

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage. Containers may burst when heated.
Hazardous Decomposition Products:
When heated to decomposition, emits toxic nitrogen oxides fumes and hydrogen nitrate. Emits toxic fumes of arsenic when heated to decomposition.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
A dangerously powerful oxidizing agent, concentrated nitric acid is incompatible with most substances, especially strong bases, metallic powders, carbides, hydrogen sulfide, turpentine, and combustible organics.
Conditions to Avoid:
Heat, incompatibles.

---

11. Toxicological Information

Toxicological Data:
For arsenic: oral rat LD50: 763 mg/kg. Investigated as a tumorigen, mutagen, reproductive effector. For Nitric Acid: Investigated as a mutagen and reproductive effector.
Carcinogenicity:
For arsenic and inorganic arsenic compounds:
Regulated by OSHA as a carcinogen.
EPA / IRIS classification: Group A - Known human carcinogen.

--------\Cancer Lists\----------

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Arsenic (7440-38-2)	Yes	No	1
Nitric Acid (7697-37-2)	No	No	None
Water (7732-18-5)	No	No	None

---

12. Ecological Information

Environmental Fate:
No information found.
Environmental Toxicity:
No information found.

---

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

---

14. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

International (Water, I.M.O.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

International (Air, I.C.A.O.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

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15. Regulatory Information

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--------\Chemical Inventory Status - Part 1\---------------------------------
Ingredient                                    TSCA  EC   Japan  Australia
----------------------------------------------  ----  ---  -----  ---------
Arsenic (7440-38-2)                            Yes  Yes   No       Yes
Nitric Acid (7697-37-2)                        Yes  Yes   Yes      Yes
Water (7732-18-5)                              Yes  Yes   Yes      Yes

--------\Chemical Inventory Status - Part 2\---------------------------------
                                                      --Canada--
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Ingredient	Korea	DSL	NDSL	Phil.
Arsenic (7440-38-2)	Yes	Yes	No	Yes
Nitric Acid (7697-37-2)	Yes	Yes	No	Yes
Water (7732-18-5)	Yes	Yes	No	Yes

\-------\Federal, State & International Regulations - Part 1\----------

Ingredient	-SARA 302- RQ	TPQ	------SARA 313------ List	Chemical Catg.
Arsenic (7440-38-2)	No	No	Yes	Arsenic comp
Nitric Acid (7697-37-2)	1000	1000	Yes	No
Water (7732-18-5)	No	No	No	No

\-------\Federal, State & International Regulations - Part 2\----------

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Arsenic (7440-38-2)	1	No	No
Nitric Acid (7697-37-2)	1000	No	No
Water (7732-18-5)	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Mixture / Liquid)

WARNING:
THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

Australian Hazchem Code: None allocated.
Poison Schedule: S6
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

---

16. Other Information

NFPA Ratings: Health: **3** Flammability: **0** Reactivity: **0**
Label Hazard Warning:
DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR INHALED. AFFECTS LIVER, KIDNEYS, LUNGS AND TEETH. CANCER HAZARD. CONTAINS INORGANIC ARSENIC WHICH CAN CAUSE CANCER. Risk of cancer depends on duration and level of exposure.
Label Precautions:
Do not get in eyes, on skin, or on clothing.
Do not breathe vapor or mist.
Use only with adequate ventilation.
Wash thoroughly after handling.
Keep container closed.
Label First Aid:
In case of contact, immediately flush eyes or skin with plenty of water for at least 15

minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If swallowed, give large amounts of water to drink. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In all cases get medical attention immediately.

Product Use:
Laboratory Reagent.

Revision Information:
MSDS Section(s) changed since last revision of document include: 3.

Disclaimer:
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****

Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)

MSDS Number: **B0335** * * * * * *Effective Date:* ***06/26/00*** * * * * * *Supercedes:* ***05/20/97***

MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

J.T.Baker®

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. And Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

Barium, 1000 ug/mL (0.10% w/v)

1. Product Identification

Synonyms: None
CAS No.: Not applicable to mixtures.
Molecular Weight: 137.33
Chemical Formula: BaCO3 and HNO3 in H2O
Product Codes: 6920

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Barium Carbonate	513-77-9	< 1%	No
Nitric Acid	7697-37-2	1 - 2%	Yes
Water	7732-18-5	97 - 98%	No

3. Hazards Identification

Emergency Overview

DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR INHALED. VAPOR

IRRITATING TO EYES AND RESPIRATORY TRACT. INHALATION MAY CAUSE LUNG AND TOOTH DAMAGE.

J.T. Baker SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Life)
Flammability Rating: 0 - None
Reactivity Rating: 1 - Slight
Contact Rating: 3 - Severe (Corrosive)
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: White (Corrosive)

Potential Health Effects

Nitric acid is extremely hazardous; it is corrosive, reactive, an oxidizer, and a poison. The following hazards are for concentrated solutions. Hazards of less concentrated solutions may be reduced. Degree of hazard for reduced concentrations is not currently addressed in the available literature.

Inhalation:
Corrosive! Inhalation of vapors can cause coughing, choking, inflammation of the nose, throat, and upper respiratory tract, and in severe cases, pulmonary edema, circulatory failure, and death.
Ingestion:
Corrosive! Swallowing can cause immediate pain and burns of the mouth, throat, esophagus and gastrointestinal tract. May cause nausea, vomiting, and diarrhea, and in severe cases, death.
Skin Contact:
Corrosive! Can cause redness, pain, and severe skin burns. Concentrated solutions cause deep ulcers and stain skin a yellow or yellow-brown color.
Eye Contact:
Corrosive! Vapors are irritating and may cause damage to the eyes. Contact may cause severe burns and permanent eye damage.
Chronic Exposure:
Long-term exposure to concentrated vapors may cause erosion of teeth and lung damage. Long-term exposures seldom occur due to the corrosive properties of the acid.
Aggravation of Pre-existing Conditions:
Persons with pre-existing skin disorders, eye disease, or cardiopulmonary diseases may be more susceptible to the effects of this substance.

---

4. First Aid Measures

Immediate first aid treatment reduces the health effects of this substance.
Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion:

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

---

5. Fire Fighting Measures

Fire:

Not combustible, but concentrated material is a strong oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition.

Explosion:

Concentrated material reacts explosively with combustible organic or readily oxidizable materials such as: alcohols, turpentine, charcoal, organic refuse, metal powder, hydrogen sulfide, etc. Reacts with most metals to release hydrogen gas which can form explosive mixtures with air.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

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6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

---

7. Handling and Storage

Store in a cool, dry, ventilated storage area with acid resistant floors and good drainage. Protect from physical damage. Keep out of direct sunlight and away from heat, water, and incompatible materials. Do not wash out container and use it for other purposes. When diluting, the acid should always be added slowly to water and in small amounts. Never use

hot water and never add water to the acid. Water added to acid can cause uncontrolled boiling and splashing. When opening metal containers, use non-sparking tools because of the possibility of hydrogen gas being present. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

---

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
For Nitric Acid:
OSHA Permissible Exposure Limit (PEL):
2 ppm (TWA)
ACGIH Threshold Limit Value (TLV):
2 ppm (TWA); 4 ppm (STEL)
Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.
Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded, wear a supplied air, full-facepiece respirator, airlined hood, or full-facepiece self-contained breathing apparatus. Canister-type respirators using sorbents are ineffective.
Skin Protection:
Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.
Eye Protection:
Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

---

9. Physical and Chemical Properties

Appearance:
Clear, colorless liquid.
Odor:
Odorless.
Solubility:
Complete (100%)
Specific Gravity:
No information found.
pH:
No information found.
% Volatiles by volume @ 21C (70F):
ca. 99
Boiling Point:
No information found.

Melting Point:
No information found.
Vapor Density (Air=1):
No information found.
Vapor Pressure (mm Hg):
No information found.
Evaporation Rate (BuAc=1):
No information found.

---

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:
When heated to decomposition, emits toxic nitrogen oxides fumes and hydrogen nitrate.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
A dangerously powerful oxidizing agent, concentrated nitric acid is incompatible with most substances, especially strong bases, metallic powders, carbides, hydrogen sulfide, turpentine, and combustible organics.
Conditions to Avoid:
Heat and incompatibles.

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11. Toxicological Information

For Nitric Acid: Investigated as a mutagen and reproductive effector.

--------\Cancer Lists\----------

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Barium Carbonate (513-77-9)	No	No	None
Nitric Acid (7697-37-2)	No	No	None
Water (7732-18-5)	No	No	None

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12. Ecological Information

Environmental Fate:
No information found.
Environmental Toxicity:
No information found.

---

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

---

14. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

International (Water, I.M.O.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

International (Air, I.C.A.O.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

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15. Regulatory Information

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--------\Chemical Inventory Status - Part 1\---------------------------------
Ingredient                                    TSCA  EC   Japan  Australia
----------------------------------------------  ----  ---  -----  ---------
Barium Carbonate (513-77-9)                    Yes  Yes   Yes      Yes
Nitric Acid (7697-37-2)                        Yes  Yes   Yes      Yes
Water (7732-18-5)                              Yes  Yes   Yes      Yes

--------\Chemical Inventory Status - Part 2\---------------------------------
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Ingredient	Korea	--Canada-- DSL	NDSL	Phil.
Barium Carbonate (513-77-9)	Yes	Yes	No	Yes
Nitric Acid (7697-37-2)	Yes	Yes	No	Yes
Water (7732-18-5)	Yes	Yes	No	Yes

--------\Federal, State & International Regulations - Part 1\----------

Ingredient	-SARA 302- RQ	TPQ	------SARA 313------ List	Chemical Catg.
Barium Carbonate (513-77-9)	No	No	No	Barium compo
Nitric Acid (7697-37-2)	1000	1000	Yes	No
Water (7732-18-5)	No	No	No	No

--------\Federal, State & International Regulations - Part 2\----------

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Barium Carbonate (513-77-9)	No	No	No
Nitric Acid (7697-37-2)	1000	No	No
Water (7732-18-5)	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Mixture / Liquid)

Australian Hazchem Code: None allocated.
Poison Schedule: S6
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

---

16. Other Information

NFPA Ratings: Health: **3** Flammability: **0** Reactivity: **0**
Label Hazard Warning:
DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR INHALED. VAPOR IRRITATING TO EYES AND RESPIRATORY TRACT. INHALATION MAY CAUSE LUNG AND TOOTH DAMAGE.
Label Precautions:
Do not get in eyes, on skin, or on clothing.
Do not breathe vapor or mist.
Use only with adequate ventilation.
Wash thoroughly after handling.
Keep container closed.
Label First Aid:
In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is

difficult, give oxygen. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. In all cases get medical attention immediately.

Product Use:
Laboratory Reagent.

Revision Information:
MSDS Section(s) changed since last revision of document include: 3, 14, 16.

Disclaimer:
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****

Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)

MSDS Number: **C5170** * * * * * *Effective Date:* ***02/23/06*** * * * * * *Supercedes:* ***02/12/04***

MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

Mallinckrodt CHEMICALS J.T.Baker

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. and Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

COPPER METAL

1. Product Identification

Synonyms: C.I. 77400; Arwood Copper
CAS No.: 7440-50-8
Molecular Weight: 63.546
Chemical Formula: Cu
Product Codes:
J.T. Baker: 1714, 1720, 1732, 1736
Mallinckrodt: 1733, 4649

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Copper	7440-50-8	90 - 100%	Yes

3. Hazards Identification

Emergency Overview

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION

TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS THE LIVER AND KIDNEYS. CHRONIC EXPOSURE MAY CAUSE TISSUE DAMAGE.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Life)
Flammability Rating: 1 - Slight
Reactivity Rating: 2 - Moderate
Contact Rating: 1 - Slight
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation:
Inhalation of dusts and fumes of metallic copper causes irritation of the upper respiratory tract, congestion of nasal mucous membranes, ulceration and perforation of the nasal septum, and pharyngeal congestion. Inhalation of copper fumes may give rise to metal fume fever (high temperature, metallic taste, nausea, coughing, general weakness, muscle aches, and exhaustion).
Ingestion:
Copper ingestion causes nausea, vomiting, abdominal pain, metallic taste, and diarrhea. Ingestion of large doses may cause stomach and intestine ulceration, jaundice, and kidney and liver damage.
Skin Contact:
Causes irritation to skin. Symptoms include redness, itching, and pain. Exposure to copper dust may cause a greenish-black skin discoloration.
Eye Contact:
Small copper particles in the eyes may cause irritation, discoloration, and damage.
Chronic Exposure:
Prolonged or repeated exposure to copper can discolor skin and hair and irritate the skin; may cause mild dermatitis, runny nose, and irritation of the mucous membranes. Repeated ingestion may damage the liver and kidneys. Repeated inhalation can cause chronic respiratory disease.
Aggravation of Pre-existing Conditions:
Persons with pre-existing skin disorders or impaired liver, kidney, or pulmonary function or pre-existing Wilson's disease may be more susceptible to the effects of this material.

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4. First Aid Measures

Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:
Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.
Skin Contact:

Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Fire:

Not considered to be a fire hazard since the bulk solid does not burn, but very finely divided particles (ultra-fine powder) may burn in air.

Explosion:

Not considered to be an explosion hazard. Reactions with incompatibles may pose an explosion hazard. Liquid copper explodes on contact with water. High concentrations of finely divided copper particles in the air may present an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Avoid exposure to air and moisture. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

Copper Dust and Mists, as Cu:
- OSHA Permissible Exposure Limit (PEL) -
1 mg/m3 (TWA)
- ACGIH Threshold Limit Value (TLV) -
1 mg/m3 (TWA)
Copper Fume:
- OSHA Permissible Exposure Limit (PEL) -
0.1 mg/m3 (TWA)
- ACGIH Threshold Limit Value (TLV) -
0.2 mg/m3 (TWA)

Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded and engineering controls are not feasible, a full facepiece particulate respirator (NIOSH type N100 filters) may be worn for up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids. glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:
Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

---

9. Physical and Chemical Properties

Appearance:
Reddish, metallic solid.

Odor:
Odorless.

Solubility:
Insoluble in water.

Density:
8.94

pH:
No information found.

% Volatiles by volume @ 21C (70F):
0

Boiling Point:
2595C (4703F)

Melting Point:
1083C (1981F)

Vapor Density (Air=1):
Not applicable.
Vapor Pressure (mm Hg):
1 @ 1628C (2962F)
Evaporation Rate (BuAc=1):
No information found.

---

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage. Copper becomes dull when exposed to air; on exposure to moist air it gradually converts to the carbonate. On long standing, a white, highly explosive peroxide deposit may form.
Hazardous Decomposition Products:
No information found.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
Copper is incompatible with oxidizers, alkalis, acetylene, chlorine plus oxygen difluoride, phosphorus, nitric acid, potassium peroxide, 1-bromo-2-propyne, sulfur plus chlorates. Reacts violently with ammonium nitrate, bromates, iodates, chlorates, ethylene oxide, hydrozoic acid, potassium oxide, dimethyl sulfoxide plus trichloroacetic acid, hydrogen peroxide, sodium peroxide, sodium azide, sulfuric acid, hydrogen sulfide plus air, and lead azide. A potentially explosive reaction occurs with actylenic compounds. Copper ignites on contact with chlorine, fluorine (above 121C), chlorine trifluoride, and hydrazinum nitrate (above 70C). An incandescent reaction occurs with potassium dioxide.
Conditions to Avoid:
Incompatibles and prolonged exposure to air and moisture.

---

11. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure. Investigated as a tumorigen and a reproductive effector.

--------\Cancer Lists\--

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Copper (7440-50-8)	No	No	None

---

12. Ecological Information

Environmental Fate:
No information found.

Environmental Toxicity:
No information found.

---

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

---

14. Transport Information

Not regulated.

---

15. Regulatory Information

--------\Chemical Inventory Status - Part 1\---------------------------------

Ingredient	TSCA	EC	Japan	Australia
Copper (7440-50-8)	Yes	Yes	No	Yes

--------\Chemical Inventory Status - Part 2\---------------------------------

Ingredient	Korea	--Canada-- DSL	NDSL	Phil.
Copper (7440-50-8)	Yes	Yes	No	Yes

--------\Federal, State & International Regulations - Part 1\----------------

Ingredient	-SARA 302- RQ	TPQ	------SARA 313------ List	Chemical Catg.
Copper (7440-50-8)	No	No	Yes	No

--------\Federal, State & International Regulations - Part 2\----------------

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Copper (7440-50-8)	5000	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Pure / Solid)

Australian Hazchem Code: None allocated.
Poison Schedule: None allocated.

WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

---

16. Other Information

NFPA Ratings: Health: **2** Flammability: **0** Reactivity: **0**
Label Hazard Warning:
WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS THE LIVER AND KIDNEYS. CHRONIC EXPOSURE MAY CAUSE TISSUE DAMAGE.
Label Precautions:
Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.
Avoid breathing dust or vapors.
Keep container closed.
Use only with adequate ventilation.
Label First Aid:
If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. In all cases, get medical attention.
Product Use:
Laboratory Reagent.
Revision Information:
MSDS Section(s) changed since last revision of document include: 3.
Disclaimer:
****

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****

Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)

MSDS Number: **L2347** * * * * * *Effective Date:* ***07/05/07*** * * * * * *Supercedes:* ***05/07/07***

MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

Mallinckrodt CHEMICALS J.T.Baker

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. and Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

LEAD METAL

1. Product Identification

Synonyms: Granular lead, pigment metal; C.I. 77575
CAS No.: 7439-92-1
Molecular Weight: 207.19
Chemical Formula: Pb
Product Codes:
J.T. Baker: 2256, 2266
Mallinckrodt: 5668

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Lead	7439-92-1	95 - 100%	Yes

3. Hazards Identification

Emergency Overview

POISON! DANGER! MAY BE FATAL IF SWALLOWED OR INHALED. CAUSES

IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. NEUROTOXIN. AFFECTS THE GUM TISSUE, CENTRAL NERVOUS SYSTEM, KIDNEYS, BLOOD AND REPRODUCTIVE SYSTEM. POSSIBLE CANCER HAZARD. MAY CAUSE CANCER BASED ON ANIMAL DATA. Risk of cancer depends on duration and level of exposure.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Cancer Causing)
Flammability Rating: 3 - Severe (Flammable)
Reactivity Rating: 1 - Slight
Contact Rating: 2 - Moderate (Life)
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: Red (Flammable)

Potential Health Effects

Inhalation:

Lead can be absorbed through the respiratory system. Local irritation of bronchia and lungs can occur and, in cases of acute exposure, symptoms such as metallic taste, chest and abdominal pain, and increased lead blood levels may follow. See also Ingestion.
Ingestion:
POISON! The symptoms of lead poisoning include abdominal pain and spasms, nausea, vomiting, headache. Acute poisoning can lead to muscle weakness, "lead line" on the gums, metallic taste, definite loss of appetite, insomnia, dizziness, high lead levels in blood and urine with shock, coma and death in extreme cases.
Skin Contact:
Lead and lead compounds may be absorbed through the skin on prolonged exposure; the symptoms of lead poisoning described for ingestion exposure may occur. Contact over short periods may cause local irritation, redness and pain.
Eye Contact:
Absorption can occur through eye tissues but the more common hazards are local irritation or abrasion.
Chronic Exposure:
Lead is a cumulative poison and exposure even to small amounts can raise the body's content to toxic levels. The symptoms of chronic exposure are like those of ingestion poisoning; restlessness, irritability, visual disturbances, hypertension and gray facial color may also be noted.
Aggravation of Pre-existing Conditions:
Persons with pre-existing kidney, nerve or circulatory disorders or with skin or eye problems may be more susceptible to the effects of this substance.

---

4. First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact:

Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

---

5. Fire Fighting Measures

Fire:

Not considered to be a fire hazard. Powder/dust is flammable when heated or exposed to flame.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire. Do not allow water runoff to enter sewers or waterways.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Can produce toxic lead fumes at elevated temperatures and also react with oxidizing materials.

---

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

---

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Areas in which exposure to lead metal or lead compounds may occur should be identified by signs or appropriate means, and access to the area should be limited to authorized persons. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all

warnings and precautions listed for the product.

---

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
For lead, metal and inorganic dusts and fumes, as Pb:
-OSHA Permissible Exposure Limit (PEL): 0.05 mg/m3 (TWA)
For lead, elemental and inorganic compounds, as Pb:
-ACGIH Threshold Limit Value (TLV): 0.05 mg/m3 (TWA), A3 animal carcinogen
ACGIH Biological Exposure Indices (BEI): 30 ug/100ml, notation B (see actual Indices for more information).
For lead, inorganic:
-NIOSH Recommended Exposure Limit (REL): 0.1 mg/m3 (TWA)
Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.
Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded and engineering controls are not feasible, a half-face high efficiency particulate respirator (NIOSH type N100 filter) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece high efficiency particulate respirator (NIOSH type N100 filter) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.
Skin Protection:
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Eye Protection:
Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.
Other Control Measures:
Eating, drinking, and smoking should not be permitted in areas where solids or liquids containing lead compounds are handled, processed, or stored. See OSHA substance-specific standard for more information on personal protective equipment, engineering and work practice controls, medical surveillance, record keeping, and reporting requirements. (29 CFR 1910.1025).

---

9. Physical and Chemical Properties

Appearance:

Small, white to blue-gray metallic shot or granules.
Odor:
Odorless.
Solubility:
Insoluble in water.
Density:
11.34
pH:
No information found.
% Volatiles by volume @ 21C (70F):
0
Boiling Point:
1740C (3164F)
Melting Point:
327.5C (622F)
Vapor Density (Air=1):
No information found.
Vapor Pressure (mm Hg):
1.77 @ 1000C (1832F)
Evaporation Rate (BuAc=1):
No information found.

---

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:
Does not decompose but toxic lead or lead oxide fumes may form at elevated temperatures.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
Ammonium nitrate, chlorine trifluoride, hydrogen peroxide, sodium azide, zirconium, disodium acetylide, sodium acetylide and oxidants.
Conditions to Avoid:
Heat, flames, ignition sources and incompatibles.

---

11. Toxicological Information

Toxicological Data:
Investigated as a tumorigen, mutagen, reproductive effector.
Reproductive Toxicity:
Lead and other smelter emissions are human reproductive hazards. (Chemical Council on Environmental Quality; Chemical Hazards to Human Reproduction, 1981).
Carcinogenicity:
EPA / IRIS classification: Group B2 - Probable human carcinogen, sufficient animal evidence.

--------\Cancer Lists\----------

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Lead (7439-92-1)	No	No	2B

---

12. Ecological Information

Environmental Fate:
When released into the soil, this material is not expected to leach into groundwater. This material may bioaccumulate to some extent.
Environmental Toxicity:
No information found.

---

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

---

14. Transport Information

Not regulated.

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15. Regulatory Information

--------\Chemical Inventory Status - Part 1\----------

Ingredient	TSCA	EC	Japan	Australia
Lead (7439-92-1)	Yes	Yes	Yes	Yes

--------\Chemical Inventory Status - Part 2\----------

Ingredient	Korea	--Canada-- DSL	NDSL	Phil.
Lead (7439-92-1)	Yes	Yes	No	Yes

--------\Federal, State & International Regulations - Part 1\----------

Ingredient	-SARA 302- RQ	TPQ	------SARA 313------ List	Chemical Catg.

Lead (7439-92-1)	No	No	Yes	No

Federal, State & International Regulations - Part 2				
Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)	
Lead (7439-92-1)	10	No	No	

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Pure / Solid)

WARNING:
THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

Australian Hazchem Code: None allocated.
Poison Schedule: S6
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

---

16. Other Information

NFPA Ratings: Health: **3** Flammability: **1** Reactivity: **0**
Label Hazard Warning:
POISON! DANGER! MAY BE FATAL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. NEUROTOXIN. AFFECTS THE GUM TISSUE, CENTRAL NERVOUS SYSTEM, KIDNEYS, BLOOD AND REPRODUCTIVE SYSTEM. POSSIBLE CANCER HAZARD. MAY CAUSE CANCER BASED ON ANIMAL DATA. Risk of cancer depends on duration and level of exposure.
Label Precautions:
Do not get in eyes, on skin, or on clothing.
Do not breathe dust.
Keep container closed.
Use only with adequate ventilation.
Wash thoroughly after handling.
Label First Aid:
If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. In all cases, get medical attention.
Product Use:
Laboratory Reagent.
Revision Information:
MSDS Section(s) changed since last revision of document include: 3.
Disclaimer:

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****

Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)

STANDARD SAFE WORK PRACTICES

1) Eating, drinking, chewing tobacco, smoking and carrying matches or lighters is prohibited in a contaminated or potentially contaminated area or where the possibility for the transfer of contamination exists.
2) Avoid contact with potentially contaminated substances. Do not walk through puddles, pools, mud, etc. Avoid, whenever possible, kneeling on the ground, leaning or sitting on equipment or ground. Do not place monitoring equipment on potentially contaminated surfaces (i.e., ground, etc).
3) All field crewmembers should make use of their senses to alert them to potentially dangerous situations in which they should not become involved; i.e., presence of strong and irritating or nauseating odors.
4) Prevent, to the extent possible, spills. In the event that a spill occurs, contain liquid if possible.
5) Field crewmembers shall be familiar with the physical characteristics of investigations, including:
   - Wind direction
   - Accessibility to associates, equipment, vehicles
   - Communication
   - Hot zone (areas of known or suspected contamination)
   - Site access
   - Nearest water sources
6) All wastes generated during activities on-site should be disposed of as directed by the project manager or his on-site representative.
7) Protective equipment as specified in the section on personnel protection will be utilized by workers during the initial site reconnaissance, and other activities.

CROTONA TERRACE

BRONX, NEW YORK

Remedial Investigation Report

NYC BCP Site Number: 11TEMP001X

Prepared for:

South Bronx Overall Economic Development Corp.
555 Bergen Avenue, Bronx, NY, 10455

Prepared by:

Ecosystems Strategies, Inc.
24 Davis Avenue, Poughkeepsie, NY, 12603
845-452-1658

June 2011

CERTIFICATION

I, Paul Ciminello, am a Qualified Environmental Professional, as defined in proposed RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the Crotona Terrace Site, (NYC BCP Site No. [11TEMP001X]). 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 H. Ciminello	6-15-11	
Qualified Environmental Professional	Date	Signature

REMEDIAL INVESTIGATION REPORT
TABLE OF CONTENTS

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	Technical Guidance for Site Investigation and Remediation
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	Nonaqueous Phase Liquid
NYC BCP	New York City Brownfield 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

FIGURES

TABLES

APPENDICES

Appendix	Description
A.	Previous IRM Reports
B.	Health and Safety Plan
C.	Soil Boring Geologic Logs
D.	Groundwater Sampling and Well Purging Logs
E.	Soil Vapor Sampling Logs
F.	Laboratory Data Deliverables

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 Description, Physical Setting and Site History

The "Crotona terrace site (BCP ID: 11TEM001X) is located within the Crotona Park section of the Borough of the Bronx, at 1825 Boston Road, Bronx, NY 10460 (Block 2984, Lot 46). The site is bounded by Boston Road, East 175th Street, Crotona Parkway, and East 176th Street. The site has been vacant since 1989 and formerly contained a rail car and bus maintenance facility. The Applicant is South Bronx Overall Economic Development Corp.

Summary of Past Uses of Site and Areas of Concern

1. Available information indicates that the project site was developed sometime between 1886 and 1901 and operated as a transit rail car and bus maintenance and repair facility until approximately 1989.

2. Previous environmental reports have suggested the potential presence of a 10,000-gallon fuel oil underground storage tank and two 5,000-gallon diesel underground storage tanks, at the site during the early 1990s. Previous reports also indicate that free product was encountered in an on-site monitoring well; and that a product recovery system installed at the site from 1996-1998 reduced the amount of free product present to non-measurable levels. A subsequent geophysical investigation documented the absence of any on-site tanks.

3. Historic fill of unknown origin is present on-site (throughout the site).

4. Adjoining and surrounding properties have been subject to an approximately 80-year history of commercial, industrial and residential development. Specifically, located in the immediate vicinity of the project site to the south are a former transit and bus maintenance facility and an abandoned gasoline station. This former gasoline station (1800 Southern

Boulevard) is currently within the NYS BCP remedial action program. Such adjoining and surrounding sites have the potential to contribute to the degradation of groundwater quality in the vicinity of the project site.

5. A Phase II Investigation performed by Ethan Eldon in 2003 found petroleum hydrocarbon concentrations detected in on-site groundwater above "the most stringent regulatory standards".

Summary of the Work Performed under the Remedial Investigation

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 13 soil borings across the entire project Site, and collected 23 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed 5 groundwater monitoring wells throughout the Site to establish groundwater flow and collected 3 groundwater samples for chemical analysis to evaluate groundwater quality (as per the Equity Environmental Engineering., LLC Revised Proposed Remedial Investigation Workplan, included as Appendix A);
4. Installed 6 soil vapor probes around Site perimeter and collected 6 samples for chemical analysis.

Summary of the Hydrogeological Findings

1. Elevation of the property ranges from 70.56 to 59.26 feet.
2. Depth to groundwater ranges from 9 to 15 feet below surface grade at the Site.
3. Groundwater flow is generally from west to east beneath the Site.
4. Depth to bedrock is approximately 9 feet at the eastern end of the Site and 34.5 feet at the far northwest corner of the Site.
5. The stratigraphy of the western portion of the site is comprised of urban fill from the surface to 11' below surface grade (bsg). The fill is underlain by 12 feet of dark brown organic silt, which is underlain by 10-12 feet of coarse gray sand above weathered bedrock

at 34.5 feet below surface grade. At the eastern end of the site, fill extends from the surface to 9 feet where bedrock was encountered at 9 feet below surface grade.

Summary of the Environmental Contamination

1. Soil/fill samples collected during the RI confirmed the presence of elevated concentrations of SVOCs on-Site. The presence of these compounds was consistent with the presence of historic fill.
2. Groundwater samples collected during the RI confirmed the absence of elevated concentrations of [SVOCs] on-Site.
3. Soil vapor samples collected during the RI confirmed the absence of elevated concentrations of [VOCs] on-Site.
4. Based on the results of this RI, ESI concludes that there is no evidence to suspect disposal of significant quantities of hazardous waste.

REMEDIAL INVESTIGATION REPORT

1.0 INTRODUCTION AND PROJECT OBJECTIVES

1.1 PROJECT BACKGROUND

South Bronx Overall Economic Development Corp. has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 1.14-acre site located at 1825 Boston Road in Bronx, New York City. Mixed-use residential, a community facility and a street level retail establishment is proposed for the property. This RIR summarizes the nature and extent of contamination. The RI work was performed between February 4th, 2011 and March 1st, 2011. The goal of this RIR is to provide 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 pursuant to RCNY§ 43-1407(f).

1.2 SITE LOCATION AND DESCRIPTION

The Site is located in Bronx, New York City and is identified as Block 2948 and Lot 46 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 1.14-acres and is bounded by East 176th Street to the north, East 175th Street to the south, Boston Road to the east, and Crotona Parkway to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant.

1.3 CONTEMPLATED REDEVELOPMENT PLAN

This RI was performed to compile and evaluate data and information necessary to develop a remedial action work plan in a manner that will render the Site protective of human health and the environment consistent with the contemplated future use. The contemplated future use of the Site includes a residential development, and a community facility use and will include and a street level retail development and cellar parking. Construction excavations will extend to 14' below surface grade across the entire site. Layout of the proposed site development is presented in Figure 3. The

current zoning designation is R71 with C2-2 commercial overlay. The proposed site use is consistent with existing zoning for the property.

1.4 DESCRIPTION OF SURROUNDING PROPERTY

The project site is located in a mixed use urban area with I-95 adjoining to the north and commercial and office buildings adjoining to the west, east and south.

Sensitive Receptors

No sensitive receptors are located within a 500 foot radius of the project site.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

The project site was developed sometime between 1886 and 1901 and operated as a transit rail car and bus maintenance and repair facility until approximately 1989. A 10,000-gallon fuel oil underground storage tank and two 5,000-gallon diesel underground storage tanks were potentially identified at the site during the early 1990s. No record of their removal is known to exist; however, a subsequent geophysical investigation (circa 1996-1998) documented the absence of any on-site tanks.

The site was previously owned by the City of New York and was sold to New York City Development Corporation in 2002. The property is currently owned by CBC associates owned it since 2002 (and purchased it from New York City Development Corporation).

2.2 PREVIOUS INVESTIGATIONS

A Phase II Investigation performed by AKRF in 2003 found petroleum hydrocarbon concentrations detected in on-site groundwater above “the most stringent regulatory standards”. Historic fill of unknown origin is also present on-site and adjoining and surrounding properties have been subject to an approximately 80-year history of commercial, industrial and residential development.

2.3 SIGNIFICANT HISTORICAL ENVIRONMENTAL SITE FEATURES

A Site inspection was performed on February 4, 2011 to identify features of environmental significance that define Areas of Concern (AOC). Areas of Concern generally include areas where existing or former activities are known or suspected to have resulted in generation, manufacture, refinement, transport, storage, handling, treatment, discharge, release and/or disposal.

The AOCs identified for this site include:

1. Historic fill is present throughout the site

2.4 INTERIM REMEDIAL MEASURES

No IRMs have been performed at the Site by ESI as part of the current investigation; however, a product recovery system had been historically operational at the site between 1996 and 1998.

3.0 PROJECT ORGANIZATION AND MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Paul Ciminello and oversight of fieldwork was performed by Richard Hooker both of ESI.

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. The Health and Safety Plan (HASP) is included in Appendix B.

3.3 COMMUNITY AIR MONITORING

No excavation work was performed as part of this RIR, and therefore the CAMP was not applicable.

3.4 INVESTIGATION DERIVED WASTE

Hazardous waste, concentrated solid or semi-solid substances, soils with free product or NAPL and/or grossly contaminated media were not generated during the investigation. Loosely packed

fill at the well locations absorbed auger tailings and no solid wastes were therefore generated during the installation of monitoring wells. In the absence of field evidence of contamination purge water from the wells was discharged through activated carbon on-site subsequent to groundwater sampling.

4.0 REMEDIAL INVESTIGATION ACTIVITIES AND OBSERVATIONS

The Applicant undertook the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 13 soil borings across the entire project Site, and collected 23 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed 5 groundwater monitoring wells throughout the Site to establish groundwater flow and collected 3 groundwater samples for chemical analysis to evaluate groundwater quality (as per the Equity Environmental Engineering., LLC Revised Proposed Remedial Investigation Workplan, included as Appendix A);
4. Installed 6 soil vapor probes around Site perimeter and collected 6 samples for chemical analysis.

4.1 GEOPHYSICAL INVESTIGATION

No geophysical study was performed. Prior to conducting fieldwork the site was covered in snow, which prevented the study and after the snow had cleared the uneven surface topography of the site (bricks, debris, concrete fragments etc.) made large portions of the site inaccessible to the necessary equipment. The Equity Environmental Engineering., LLC Revised Proposed Remedial Investigation Workplan, dated September 2010, indicated that a historic geophysical survey of the site had found no evidence of underground tanks.

4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

Boring logs were prepared by a geotechnical engineer for all soil samples to document subsurface conditions. Boring logs include a description of the following: soil types and non-soil materials; soil screening results from field instrument measurements (i.e. photoionization detector, flame ionization detector); depth to groundwater; presence of soil mottling; presence of odor, vapors, soil discoloration; and presence of free and/or residual product. Boring logs with this information are attached in Appendix C. A map showing the location of soil borings and monitor wells is shown in Figure 4.

The RIR included a boring to the first confining bed with continuous soil sampling, geologic description, and PID screening.

Groundwater Monitoring Well Construction

Five groundwater monitoring wells were installed and establish the groundwater flow direction. Of these, two groundwater monitor wells are down-hydraulic-gradient (MW- and MW-4 and one up-hydraulic-gradient TW-2.. MW-3, was installed at the eastern end of the site at a location where bedrock was encountered at 9’ bsg. During well installation evidence of perched water was encountered; however, when sampling was attempted the well was found to be dry. The sampled wells were MW-1, MW-4 and TW-2.

Surveying

Land survey was used to identify the arbitrary vertical location of all monitor wells in order to develop a groundwater contour map.

Water Level Measurement

One round of static water levels were obtained to determine groundwater elevation and the groundwater flow direction; this data is included in Table 1. Groundwater head data were collected and the height of each well casing was surveyed and depth to static groundwater was measured using an electronic depth meter accurate to the nearest 0.01-foot. Data was gathered at the time of water quality sampling on March 1, 2011. Maximum depth to water was encountered at TW-1, in

the central portion of the site (approximately 25 feet bsg). Minimum depth to water encountered at MW-8, at the western-central portion (approximately 18 feet bsg). These data indicate that the overall direction of groundwater flow at the site is to the east.

4.3 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Stratigraphy

The average thickness of historic fill is 7' and ranges from 12' to 5' below surface grade.

Bedrock Depth

The depth to bedrock varies between 9' bsg at the eastern end of the site and 35.4' bsg at the northwestern corner of the site.

Hydrogeology

A table of water level data for all monitor wells is included in Table 1. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figure 5. The average depth to groundwater is 20.77' and the range in depth is 17.24' to 25'. Groundwater flow is from west to east.

4.4 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

Sampling performed as part of the field investigation was conducted for all AOCs (which includes the entire site) identified in this RIR and considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete 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

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 2. Figure 4 shows the location of samples collected in this investigation.

All field personnel wore dedicated, disposable gloves, and all samples were placed into laboratory supplied glassware. Samples were collected directly from the split spoon sampler or acetate sleeve. The sample collection equipment was decontaminated using water, soapy (alconox) water, methanol (followed by a clean water rinse) and nitric acid (followed by a clean water rinse), prior to the collection of each material sample, to avoid cross-contamination between samples.

Soil samples collected during all invasive investigation were screened by visual and olfactory means and using a calibrated PID. Results of soil screening are recorded on the soil boring logs.

Groundwater Sampling

Groundwater sampling of monitor wells was performed using a peristaltic pump. Groundwater sample collection data including dates of collection is reported in Table 2. Well sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix D. Figure 4 shows the location of samples collected in this investigation.

All sampling equipment was dedicated so no decontamination was therefore required.

Prior to groundwater sample collection, monitor well head spaces were screened using a calibrated PID. Results of groundwater screening are recorded on the well purging logs.

Soil Vapor Sampling

Soil vapor sampling was performed using summa canisters with one hour flow controllers. Soil vapor sample collection data including dates of collection is reported in Table 2. Soil vapor sampling logs are included in Appendix E. Figure 4 shows the location of samples collected in this investigation.

All sampling equipment was dedicated so no decontamination was therefore required.

Prior to soil vapor sample collection, soil vapor well and ambient air was screened using a calibrated PID. Results of soil vapor screening are recorded on the soil vapor sampling logs.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed under a quality assurance program that includes the following:

Factor	Description
The project's scope and Project goals	To provide a remedial action that is protective of public health and the environment for the intended use of the property.
Project Direction	This project is directed by Paul Ciminello
Quality Assurance Officer	The chemical analytical quality assurance is directed by Paul Ciminello
Site maps showing sample locations	A Site map showing the location of samples collected in this program are included in Figures 4
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS DOH ELAP certified and were York Analytical Laboratories
Chemical Analytical Methods	Chemical Analytical Methods for all environmental sampling performed under this RI are for soil samples and groundwater samples: • 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); for soil vapor samples: • VOCs by TO-15 VOC parameters.. Table 3 includes the media type (soil, groundwater, soil vapor,) and the following data for each media: • number or frequency of samples collected; • analytical methods used; • the number and type of duplicate samples collected. Methodologies used for soil vapor, sub-slab, indoor and ambient air quality assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion dated October 2006.*
Standards, Criterion and Guidance	Soil samples were compared to Track 1 (for Track 1 cleanups) / Soil Cleanup Objectives. Groundwater samples were compared to New York State groundwater standards. Soil vapor results were evaluated using the protocol established by New York State Department of Health.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Table 4, 5 and 6. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix F.

4.5 ENVIRONMENTAL EVALUATION

4.5.1 SOIL/FILL

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 4.

4.5.1.1 COMPARISON OF SOIL/FILL WITH SCGS

No field evidence of petroleum contamination was encountered during the extension of borings; however, some of the fill encountered contained regulated materials (including fabric, plastic, metal and wood fragments) and soil samples document the presence of SVOCs at concentrations above guidance levels in on-site soils. The following provides a summary of analytical results:

- No VOCs, Pesticides or PCBs were detected above their respective guidance levels.

- The following SVOCs were detected above their respective guidance levels:
  Sample B-1 (0-2')

  Benzo (a) anthracene (guidance level 1,000 ug/Kg) was detected at 5,330 ug/Kg.

  Benzo (a) pyrene (guidance level 1,000 ug/Kg) was detected at 5,230 ug/Kg.

  Benzo (b) fluoranthene (guidance level 1,000 ug/Kg) was detected at 7,090 ug/Kg.

  Benzo (k) fluoranthene (guidance level 800 ug/Kg) was detected at 7,090 ug/Kg.

  Chrysene (guidance level 1,000 ug/Kg) was detected at 3,920 ug/Kg.

  Dibenzo (a,h) anthracene (guidance level 330 ug/Kg) was detected at 1,950 ug/Kg.

  Ideno (123 cd pyrene guidance level 3,300 ug/Kg) was detected at 3,300 ug/Kg.

B-2 (0-2')

Benzo (a) anthracene (guidance level 1,000 ug/Kg) was detected at 6,490 ug/Kg.

Benzo (a) pyrene (guidance level 1,000 ug/Kg) was detected at 5,680 ug/Kg.

Benzo (b) fluoranthene (guidance level 1,000 ug/Kg) was detected at 8,580 ug/Kg.

Benzo (k) fluoranthene (guidance level 800 ug/Kg) was detected at 6,430 ug/Kg.

Chrysene (guidance level 1,000 ug/Kg) was detected at 7,040 ug/Kg.

Ideno (123 cd pyrene guidance level 3,300 ug/Kg) was detected at 3,800 ug/Kg.

B-3 (0-2')

Benzo (a) anthracene (guidance level 1,000 ug/Kg) was detected at 3,790 ug/Kg.

Benzo (a) pyrene (guidance level 1,000 ug/Kg) was detected at 3,520 ug/Kg.

Benzo (b) fluoranthene (guidance level 1,000 ug/Kg) was detected at 3,550 ug/Kg.

Benzo (k) fluoranthene (guidance level 800 ug/Kg) was detected at 3,580 ug/Kg.

Chrysene (guidance level 1,000 ug/Kg) was detected at 3,640 ug/Kg.

Dibenzo (a,h) anthracene (guidance level 330 ug/Kg) was detected at 848 ug/Kg.

Ideno (123 cd pyrene guidance level 3,300 ug/Kg) was detected at 1,700 ug/Kg.

B-4 (0-2)

Benzo (a) anthracene (guidance level 1,000 ug/Kg) was detected at 9,930 ug/Kg.

Benzo (a) pyrene (guidance level 1,000 ug/Kg) was detected at 7,920 ug/Kg.

Benzo (b) fluoranthene (guidance level 1,000 ug/Kg) was detected at 3,050 ug/Kg.

Benzo (k) fluoranthene (guidance level 800 ug/Kg) was detected at 6,740 ug/Kg.

Chrysene (guidance level 1,000 ug/Kg) was detected at 9,480 ug/Kg.

Dibenzo (a,h) anthracene (guidance level 330 ug/Kg) was detected at 1,640 ug/Kg.

Ideno (123 cd pyrene guidance level 3,300 ug/Kg) was detected at 2,660 ug/Kg.

B-6 (0-2')

Benzo (a) anthracene (guidance level 1,000 ug/Kg) was detected at 7,380 ug/Kg.

Benzo (a) pyrene (guidance level 1,000 ug/Kg) was detected at 4,680 ug/Kg.

Benzo (b) fluoranthene (guidance level 1,000 ug/Kg) was detected at 3,560 ug/Kg.

Benzo (k) fluoranthene (guidance level 800 ug/Kg) was detected at 3,560 ug/Kg.

Chrysene (guidance level 1,000 ug/Kg) was detected at 5,890 ug/Kg.

Dibenzo (a,h) anthracene (guidance level 330 ug/Kg) was detected at 502 ug/Kg.

Ideno (123 cd pyrene guidance level 3,300 ug/Kg) was detected at 1,280 ug/Kg.

B-7 (0-2')

Benzo (a) anthracene (guidance level 1,000 ug/Kg) was detected at 8,670 ug/Kg.

Benzo (a) pyrene (guidance level 1,000 ug/Kg) was detected at 5,930 ug/Kg.

Benzo (b) fluoranthene (guidance level 1,000 ug/Kg) was detected at 5,320 ug/Kg.

Benzo (k) fluoranthene (guidance level 800 ug/Kg) was detected at 5,890 ug/Kg.

Chrysene (guidance level 1,000 ug/Kg) was detected at 9,270 ug/Kg.

Ideno (123 cd pyrene guidance level 3,300 ug/Kg) was detected at 1520 ug/Kg.

B-9 (0-2')

Benzo (a) anthracene (guidance level 1,000 ug/Kg) was detected at 4,050 ug/Kg.

Benzo (a) pyrene (guidance level 1,000 ug/Kg) was detected at 2,890 ug/Kg.

Benzo (b) fluoranthene (guidance level 1,000 ug/Kg) was detected at 2,220 ug/Kg.

Benzo (k) fluoranthene (guidance level 800 ug/Kg) was detected at 2,990 ug/Kg.

Chrysene (guidance level 1,000 ug/Kg) was detected at 3,990 ug/Kg.

B-9 (15.5')

Benzo (a) anthracene (guidance level 1,000 ug/Kg) was detected at 22,500 ug/Kg.

Benzo (a) pyrene (guidance level 1,000 ug/Kg) was detected at 12,400 ug/Kg.

Benzo (b) fluoranthene (guidance level 1,000 ug/Kg) was detected at 13,200 ug/Kg.

Benzo (k) fluoranthene (guidance level 800 ug/Kg) was detected at 13,000 ug/Kg.

Chrysene (guidance level 1,000 ug/Kg) was detected at 21,800 ug/Kg.

B-11 (0-2')

Benzo (a) anthracene (guidance level 1,000 ug/Kg) was detected at 5,120 ug/Kg.

Benzo (a) pyrene (guidance level 1,000 ug/Kg) was detected at 4,840 ug/Kg.

Benzo (b) fluoranthene (guidance level 1,000 ug/Kg) was detected at 3,840 ug/Kg.

Benzo (k) fluoranthene (guidance level 800 ug/Kg) was detected at 4,240 ug/Kg.

Chrysene (guidance level 1,000 ug/Kg) was detected at 5,120 ug/Kg.

B-12 (0-2')

Benzo (a) anthracene (guidance level 1,000 ug/Kg) was detected at 3,540 ug/Kg.

Benzo (a) pyrene (guidance level 1,000 ug/Kg) was detected at 1,970 ug/Kg.

Benzo (b) fluoranthene (guidance level 1,000 ug/Kg) was detected at 1,800 ug/Kg.

Benzo (k) fluoranthene (guidance level 800 ug/Kg) was detected at 2,210 ug/Kg.

Chrysene (guidance level 1,000 ug/Kg) was detected at 3,280 ug/Kg.

B-13 (0-2')

Benzo (a) anthracene (guidance level 1,000 ug/Kg) was detected at 14,100 ug/Kg.

Benzo (a) pyrene (guidance level 1,000 ug/Kg) was detected at 6,670 ug/Kg.

Benzo (b) fluoranthene (guidance level 1,000 ug/Kg) was detected at 7,050 ug/Kg.

Benzo (k) fluoranthene (guidance level 800 ug/Kg) was detected at 7,990 ug/Kg.

Chrysene (guidance level 1,000 ug/Kg) was detected at 14,400 ug/Kg.

The following metals were detected above their respective guidance levels:

B-1 (0-2')

Lead (guidance level 63 mg/Kg) at 100 mg/Kg

Zinc (guidance level 10 mg/Kg) at 114 mg/Kg

B-1 (25'-26')

Nickel (guidance level 30 mg/Kg) at 30 mg/Kg.

B-2 (0-2')

Chromium (guidance level 30 mg/Kg) at 35 mg/kg.

Copper (guidance level 50 mg/Kg) at 171 mg/Kg.

Lead (guidance level 63) at 398 mg/Kg.

Zinc (guidance level 109 mg/Kg at 298 mg/Kg.

B-2 (22'-24')

Chromium (guidance level 30 mg/Kg) at 32.8 mg/Kg.

Nickel (guidance level 30 mg/Kg) at 32.6 mg/Kg.

B-3 (0-2')

Copper (guidance level 50 mg/Kg) 265 mg/Kg.

Lead (guidance level 63 mg/Kg) at 411 mg/Kg.

Mercury (guidance level 0.18 mg/Kg) at 0.583 mg/Kg.

Nickel (guidance level 30 mg/Kg) at 39.1 mg/Kg.

Zinc (guidance level 109 mg/Kg) at 1,750 mg/Kg.

B-5 (0-2')

Copper (guidance level 50 mg/Kg) at 146 mg/Kg.

Lead (guidance level 63 mg/Kg) at 216 mg/Kg.

B-5 (15’-17’)

Chromium (guidance level 30 mg/Kg) at 46.1 mg/Kg.

Nickel (guidance level 30 mg/Kg) at 36.1 mg/Kg.

B-6 (0-2’)

Arsenic (guidance level 13 mg/Kg) at 14.8 mg/Kg).

Chromium (guidance level 30 mg/Kg) at 36 mg/Kg.

Copper (guidance level 50 mg/Kg) 990 mg/Kg.

Lead (guidance level 63 mg/Kg) at 572 mg/Kg.

Nickel (guidance level 30 mg/Kg) at 44 mg/Kg.

Selenium (guidance level 3.9 mg/Kg) at 5.18 mg/Kg.

Zinc (guidance level 109 mg/Kg) at 2,010 mg/Kg.

B-6 (6’-8’)

Copper (guidance level 50 mg/Kg) 80 mg/Kg.

Lead (guidance level 63 mg/Kg) at 457 mg/Kg.

Nickel (guidance level 30 mg/Kg) at 44 mg/Kg.

Zinc (guidance level 109 mg/Kg) at 177 mg/Kg.

B-7 (0-2’)

Barium (guidance level 350 mg/Kg) at 570 mg/Kg.

Chromium (guidance level 30 mg/Kg) at 30.6 mg/Kg.

Copper (guidance level 50 mg/Kg) 68.9 mg/Kg.

Lead (guidance level 63 mg/Kg) at 458 mg/Kg.

Zinc (guidance level 109 mg/Kg) at 454 mg/Kg.

B-7 (10.5')

Copper (guidance level 50 mg/Kg) 255 mg/Kg.

Lead (guidance level 63 mg/Kg) at 297 mg/Kg.

Mercury (guidance level 0.18 mg/Kg) at 0.688 mg/Kg.

B-9 (0-2')

Barium (guidance level 350 mg/Kg) at 613 mg/Kg.

Copper (guidance level 50 mg/Kg) 69.4 mg/Kg.

Lead (guidance level 63 mg/Kg) at 342 mg/Kg.

Zinc (guidance level 109 mg/Kg) at 445 mg/Kg.

B-9 (15.5')

Barium (guidance level 350 mg/Kg) at 1,270 mg/Kg.

Chromium (guidance level 30 mg/Kg) at 46.8 mg/Kg.

Copper (guidance level 50 mg/Kg) 73 mg/Kg.

Lead (guidance level 63 mg/Kg) at 701 mg/Kg.

Mercury (guidance level 0.18 mg/Kg) at 0.486 mg/Kg.

Nickel (guidance level 30 mg/Kg) at 39.5 mg/Kg.

Zinc (guidance level 109 mg/Kg) at 1,720 mg/Kg.

B-11 (0-2')

Copper (guidance level 50 mg/Kg) 55.6 mg/Kg.

Lead (guidance level 63 mg/Kg) at 183 mg/Kg.

Zinc (guidance level 109 mg/Kg) at 267 mg/Kg.

B-11 (7.5')

Chromium (guidance level 30 mg/Kg) at 31.8 mg/Kg.

B-12(0-2')

Copper (guidance level 50 mg/Kg) 156 mg/Kg.

Lead (guidance level 63 mg/Kg) at 408 mg/Kg.

Selenium (guidance level 3.9 mg/Kg) at 3.96 mg/Kg.

Zinc (guidance level 109 mg/Kg) at 306 mg/Kg.

B12 (9'-10')

Copper (guidance level 50 mg/Kg) 58mg/Kg.

Lead (guidance level 63 mg/Kg) at 113mg/Kg.

Selenium (guidance level 3.9 mg/Kg) at 4.2 mg/Kg.

B-13 (0-2')

Barium (guidance level 350 mg/Kg) at 667 mg/Kg.

Chromium (guidance level 30 mg/Kg) at 44.5 mg/Kg.

Copper (guidance level 50 mg/Kg) 138 mg/Kg.

Lead (guidance level 63 mg/Kg) at 626 mg/Kg.

Zinc (guidance level 109 mg/Kg) at 692 mg/Kg.

Shallow soils (0-2') contain elevated concentrations of SVOCs and some metals, but no field evidence of petroleum contamination was observed while conducting investigation activities. Development plans for the site include excavation of all soils to a depth of 14' below surface grade which will remove all contaminated soils from the site. The deep sample from one boring (B-9 15.5') also contained elevated SVOCs and metals and this location will require additional excavation (beyond construction excavation depth). Excavated materials will likely require management as non-hazardous regulated waste.

Figure 6 shows the location soil/fill that exceed the 6NYCRR Part 375-6.8 (a).

4.5.2 GROUNDWATER

A summary table of data for chemical analyses performed on groundwater samples is included in Table 5. 6NYCRR Part 703.5 Class GA groundwater standards are shown.

4.5.2.1 COMPARISON OF GROUNDWATER WITH SCGS

No VOCs, SVOCs, PCBs, Pesticides, or Metals were detected above their respective guidance levels in any of the samples. No filed evidence of contamination was observed during sample collection.

4.5.3 SOIL VAPOR

A summary table of data for chemical analyses performed on soil vapor samples is included in Table 6. Guidance values from NYS DOH Final Guidance on Soil Vapor Intrusion (October 2006) are shown.

4.5.3.1 COMPARISON OF SOIL VAPOR WITH SCGS

No VOCs were detected above guidance levels in any of the samples. Low concentrations of VOCs, below guidance levels, were detected in all the samples. These results support the conclusion that the project site has not been significantly impacted by VOC vapors. Table 6 shows a comparison of soil vapor results NYS DOH Final Guidance on Soil Vapor Intrusion (October 2006) values. Figure 13 shows the location and posts the values for soil vapor samples with elevated concentrations.

4.6 OTHER REPORTING

No photographs were taken during RI activities.

4.7 PRIOR ACTIVITY

Based on an evaluation of the data and information from the RIR, the presence of significant amounts of inactive hazardous waste disposal as defined in 6 NYCRR Part 375 is not suspected at this site.

4.8 IMPEDIMENTS TO REMEDIAL ACTION

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

Figures

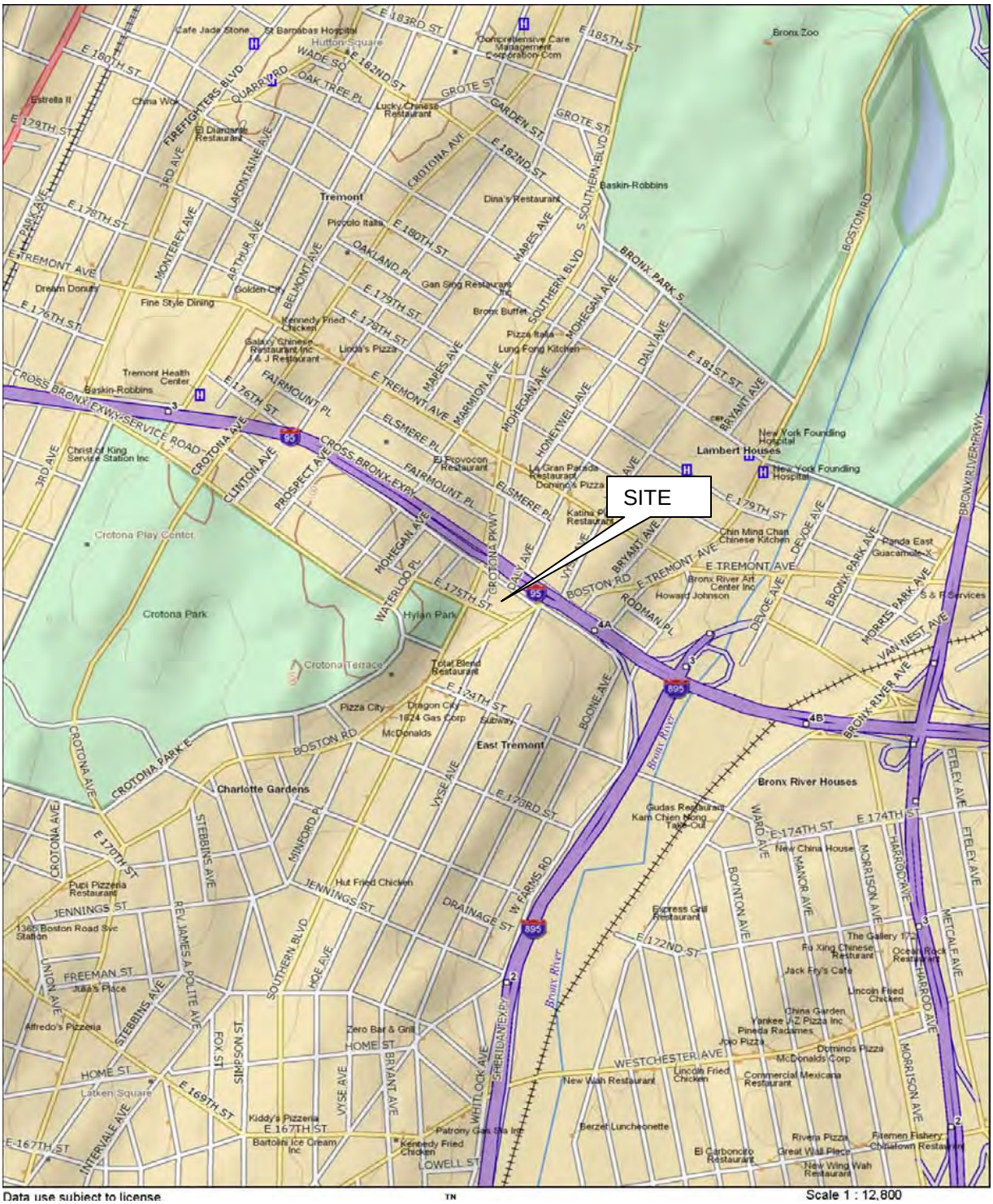


Figure 1: Site Location Map
1825 Boston Road
Borough of Bronx
Bronx County, New York

N

ESI File: SB10180.40

June 2011

Attachment

Ecosystems Strategies, Inc.

Figure 2: Site Boundary and Surrounding Land Usage Map with Sensitive Receptors

1825 Boston Road
Borough of Bronx
Bronx County, New York

ESI File: SB10180.40

June 2011

Attachment

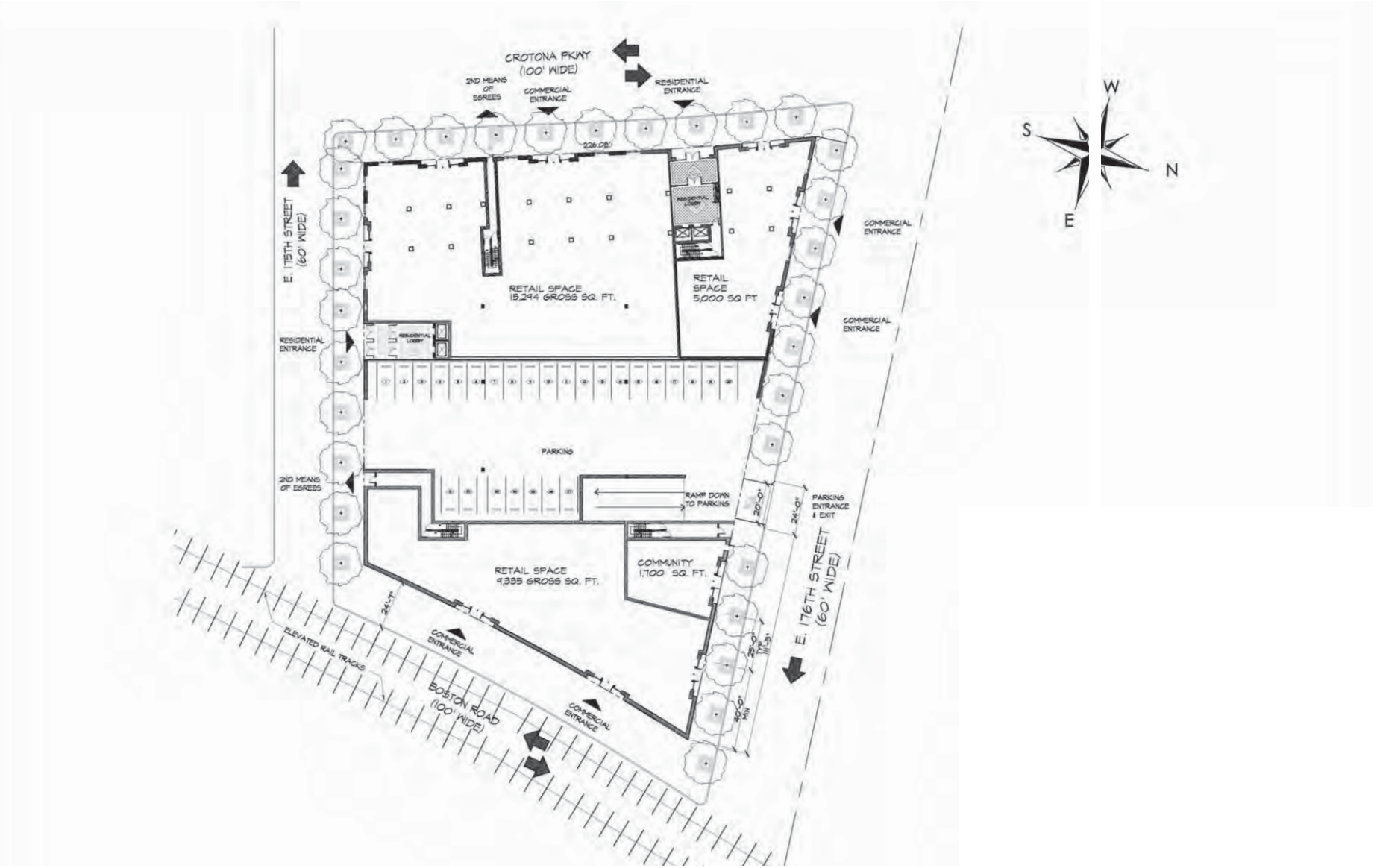


Figure 3: Proposed Site Development

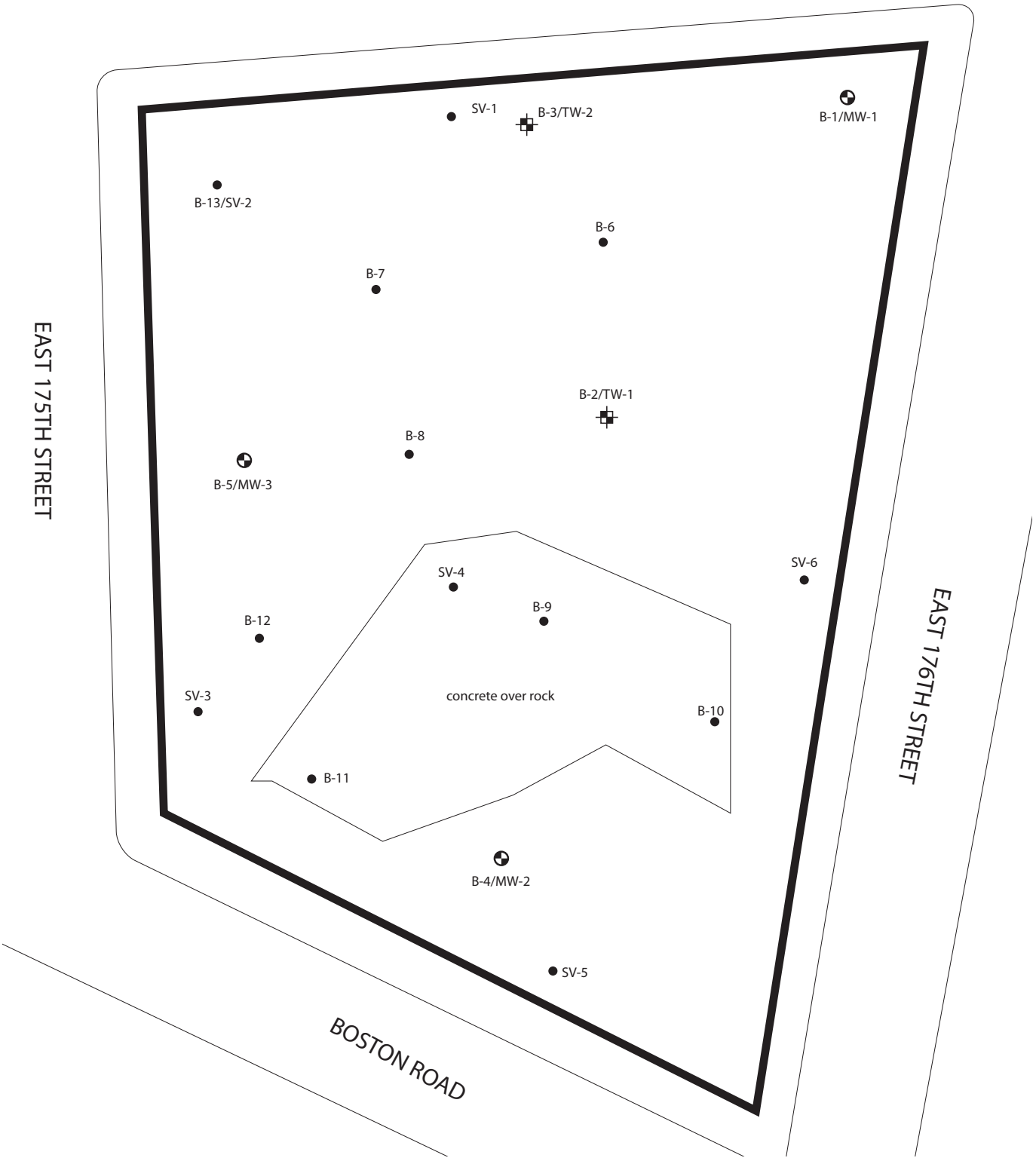
1825 Boston Road
Borough of Bronx
Bronx County, New York

ESI File: SB10180.40

June 2011

Attachment

Ecosystems Strategies, Inc.

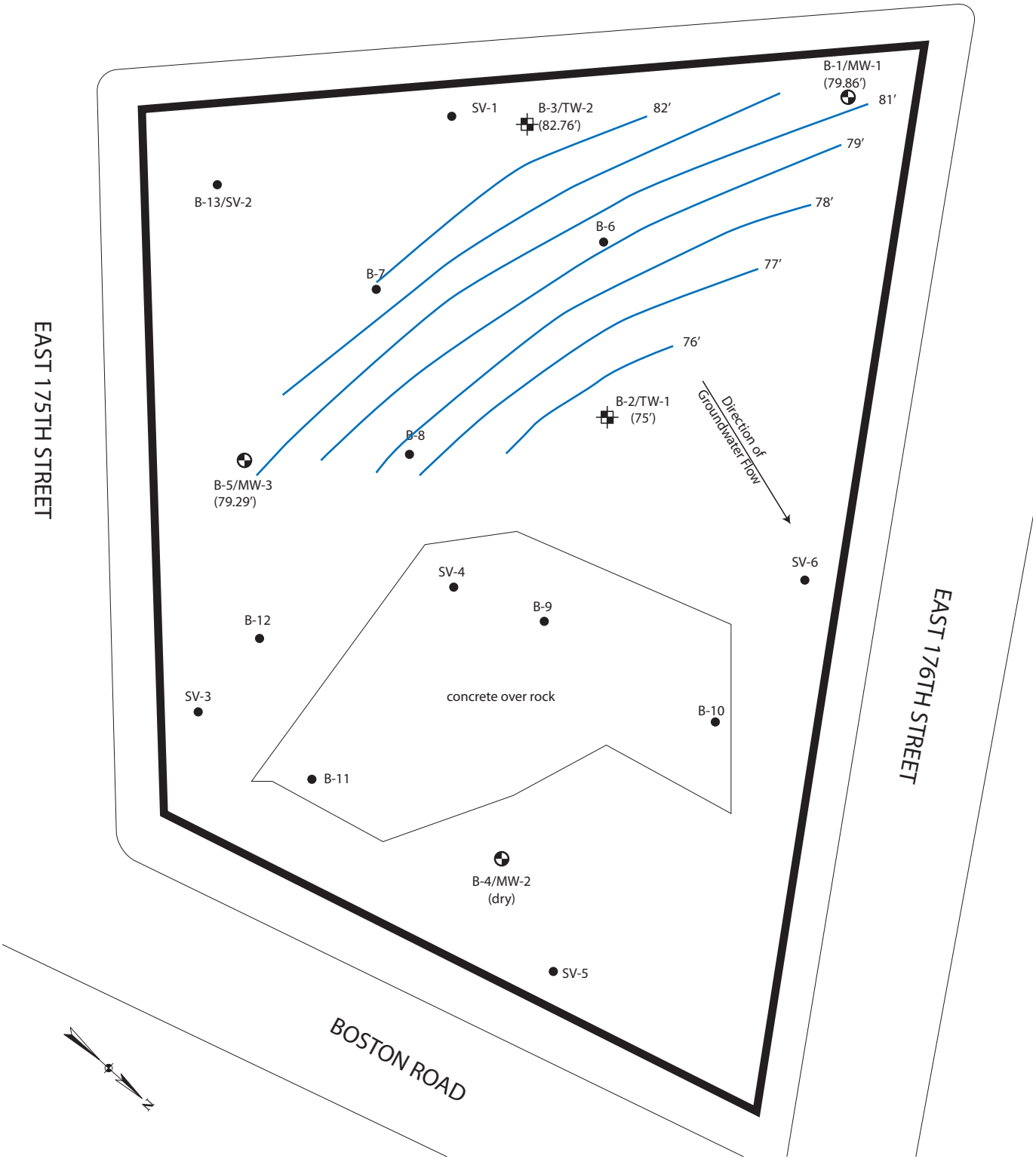


All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 4: Location of Soil Borings, Wells and Soil Vapor Samples
1825 Boston Road
Borough of Bronx
Bronx County, New York

Legend:
- subject property border
- boring location
- monitoring well and boring location
- temporary well and boring location

ESI File: SB10180.40
June 2011
Scale: 1" = 40' approximately
Attachment

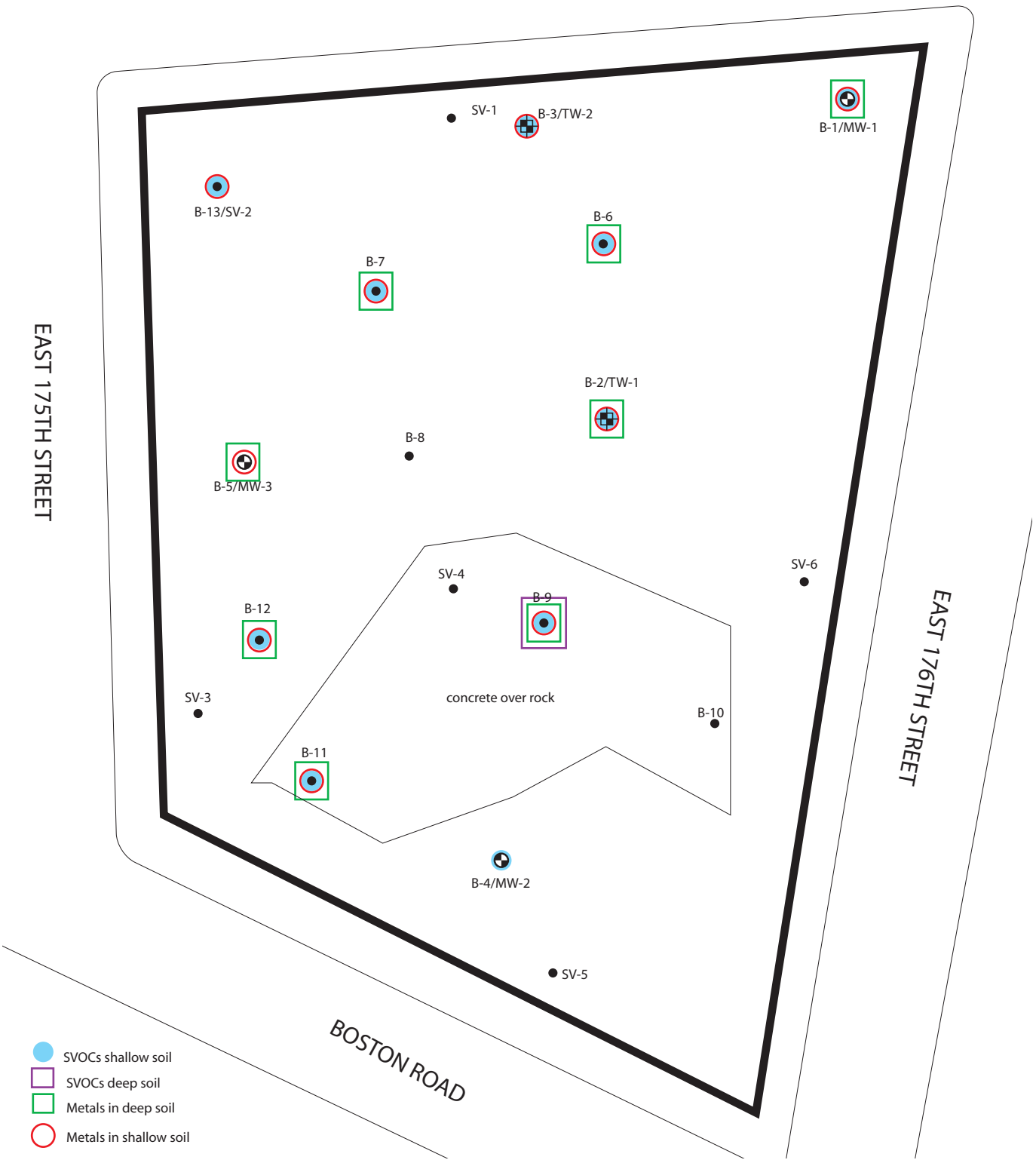


All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 5: Groundwater Level Contours and Flow Lines
1825 Boston Road
Borough of Bronx
Bronx County, New York

Legend:
- subject property border
- boring location
- monitoring well and boring location
- temporary well and boring location

ESI File: SB10180.40
June 2011
Scale: 1" = 40' approximately
Attachment



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

Figure 6: Exceedence of Track 1 Soil Cleanup Objectives
1825 Boston Road
Borough of Bronx
Bronx County, New York

Legend:
- subject property border
- boring location
- monitoring well and boring location
- temporary well and boring location

ESI File: SB10180.40
June 2011
Scale: 1" = 40' approximately
Attachment

Tables

TABLE ~~3~~1

Groundwater Level Data

Monitoring Well ID No.	Date	Water Elevation (from benchmark)
MW-1	3/1/2011	79.86’
TW-1	3/1/2011	75’
TW-2	3/1/2011	82.76’
MW-3	3/1/2011	Dry
MW-4	3/1/2011	79.29’

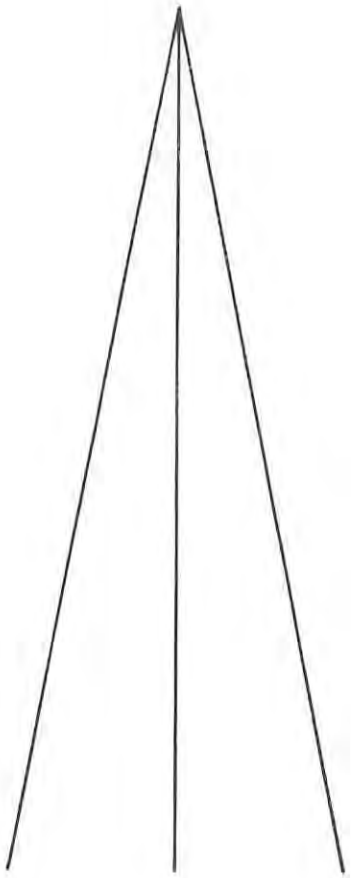
Table 2.1 - Soil Sample Collection Data

Boring ID	Location	Depth of Boring	Method
B-1/ MW-1	Northwestern corner of the site. 20.5' south of northern boundary and 10' east of western boundary.	34'9"	2' split spoon
B-2/ TW-1	Central western portion of site. 81' south of northern boundary and 98' east of western boundary.	30' bedrock refusal	2' split spoon
B-3/ TW-2	Western edge of site. 12' east of western boundary and 51' from southern boundary	29.5 bedrock refusal	2' split spoon
B-4 /MW-2	Northeast portion of site, 75' south of northern boundary and 30' west of western boundary.	9' bedrock refusal.	2' split spoon
B-5/MW-3	Central southern portion of site. 100' east of western boundary and 28' north of southern boundary.	27' bedrock refusal	2' split spoon
B-6	Central northwestern portion of site. 83' from northern boundary and 46' from western boundary.	6.8 refusal	4' direct-push corer equipped with disposable acetate sleeves.
B-7	Central southwestern portion of site. 58' from the western property line and 65' from the southern property line.	10.5 refusal	4' direct-push corer equipped with disposable acetate sleeves.
B-8	Central portion of site. 103' from the western property line and 73' north of the southern property line.	24	4' direct-push corer equipped with disposable acetate sleeves
B-9	In central portion of site 85' west of eastern boundary and 94' south of northern boundary.	15.5 refusal	4' direct-push corer equipped with disposable acetate sleeves
B-10	Northeastern portion of property. 25' south of northern property line and 106' west of eastern property line.	5.5 refusal	4' direct-push corer equipped with disposable acetate sleeves
B-11	Southeastern portion of site.	7.5 bedrock refusal	4' direct-push corer equipped with disposable acetate sleeves
B-12	Southern central portion of property. 151' east of western property line and 30' north of southern property line.	12'	4' direct-push corer equipped with disposable acetate sleeves
B-13	Southwest corner of site. 22' east of wastern property line and 21' north of southern property line.	14'	4' direct-push corer equipped with disposable acetate sleeves

Table 2.2 - Groundwater Sample Collection Data

SOILTESTING, INC.

TO	Ecosystems Strategies Inc. 24 Davis Avenue, Poughkeepsie, NY 12603-2332	DATE	February 28, 2011
ADDRESS	1825 Boston Post Road Bronx, NY		
SITE LOCATION	Richard Hooker		
REPORT SENT TO	Storage (Max. 60 days)		
SAMPLES SENT TO			



140 Oxford Road
Oxford, Connecticut 06478
203-888-4531

Branch Office:
White Plains, New York 10607
914-946-4850

JOB NO.
E6-8803-11

Phone
(203) 888-4531

Telefax
(203) 888-6247

WHITE PLAINS, N.Y.
(914) 946-4850

SOILTESTING, INC.

140 OXFORD ROAD - OXFORD, CONN. 06478-1943

GEOTECHNICAL / ENVIRONMENTAL SUBSURFACE INVESTIGATIONS - Test Borings - Core Drilling
Monitoring Wells - Recovery Wells - Direct Push/Probe Sampling
UNDERPINNING - HELICAL PILES - SOIL NAILS

February 28, 2011

Ecosystems Strategies Inc.
24 Davis Avenue
Poughkeepsie, NY 12603-2332
845-452-1658

Attn: Richard Hooker

Re: 1825 Boston Post Road
Bronx, NY

E6-8803-11

Dear Mr. Hooker,

Enclosed are boring logs and location plan for the above referenced project site.

If you have any questions please do not hesitate to contact us.

Very truly yours,
SOILTESTING, INC.

James A. DeAngelis
President

JAD:ad

SOILTESTING, INC. 1958 53rd ANNIVERSARY 2011 OXFORD, CT

SOILTESTING, INC. 140 OXFORD RD. OXFORD, CT 06478 CT (203) 888-4531 NY (914) 946-4850	CLIENT: Ecosystems Strategies,Inc.	SHEET 1 OF 1 HOLE NO. B-1/MW-1
	PROJECT NO. E6-8803-11	
	PROJECT NAME 1825 Boston Post Road	BORING LOCATIONS as directed
FOREMAN - DRILLER MD/mt	LOCATION Bronx, NY	
INSPECTOR RH		OFFSET
GROUND WATER OBSERVATIONS AT 25 FT AFTER 6 HOURS AT FT AFTER HOURS	TYPE: CASING HSA, SAMPLER SS, CORE BAR SIZE I.D.: 4 ¼", 1 3/8" HAMMER WT.: 140#, BIT HAMMER FALL: 30"	DATE START 2/3/11 DATE FINISH 2/3/11 SURFACE ELEV. GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC.	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6	6 - 12	12- 18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		1	ss	24"	6"	2'0"	4	7			dry		Brn FC SAND,sm F gravel, lit brick,concrete,
							1	1			loose		C gravel (building rubbel/ FILL)
		2	ss	24"	1"	4'0"	5	2					
							3	1			loose		SAME
5		3	ss	24"	12"	6'0"	13	7			dry		
							5	3			compact		SAME
		4	ss	24"	6"	8'0"	21	7			v moist		
							6	4			compact	8'0"	SAME
		5	ss	24"	14"	10'0"	2	2			moist		
10							2	2			v loose		Dk Brn Organic SILT, lit F sand
		6	ss	24"	16"	12'0"	1	1			moist		
							1	2			v loose		SAME; Gry
		7	ss	24"	24"	14'0"	2	1			moist		
							2	3			v loose		SAME
15		8	ss	24"	20"	16'0"	1	2			moist		
							2	2			v loose		SAME
		9	ss	24"	24"	18'0"	1	2			moist		
							1	2			v loose		SAME
		10	ss	24"	24"	20'0"	1	1			moist		
20							2	2			v loose		SAME
		11	ss	24"	24"	22'0"	2	2			moist		
							3	3			loose		SAME
		12	ss	24"	8"	24'0"	3	3			moist		
							6	4			loose	24'6"	SAME
25		13	ss	24"	6"	26'0"	WOR	12			wet		Gry FM SAND,sm C sand, lit silt
							7	5			compact		Gry F SAND,lit silt,MC sand
		14	ss	24"	24"	28'0"	11	6			wet		
							5	9			compact		Brn VF SAND,sm silt,silty clay layers
		15	ss	24"	15"	30'0"	6	5			wet		
30							5	7			loose		Gry FM SAND & SILT,sm C sand,lit weathered cobble
		16	ss	24"	16"	32'0"	4	14			wet		Brn FC SAND,sm silt, weathered rock in tip
							34	19			dense		Boulder @ 32'0"
		17	ss	24"	12"	34'0"	44	36			wet		
							32	22			v dense		Weathered Rock
35		18	ss	24"	15"	35'9"	32	32			wet		
							50	50/3"			v dense	35'9"	Auger Refusal
													E.O.B. 35'9"
40													

led by this investigation represent
conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO _____FT. USED __ T = THINWALL

HOLE NO. B-1/MW-1

A = AUGER UP = UNDISTURBED PISTON V = VANE TEST

WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE

SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM

PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND =35 - 50% F = FINE

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(914) 946-4850

SOILTESTING, INC.

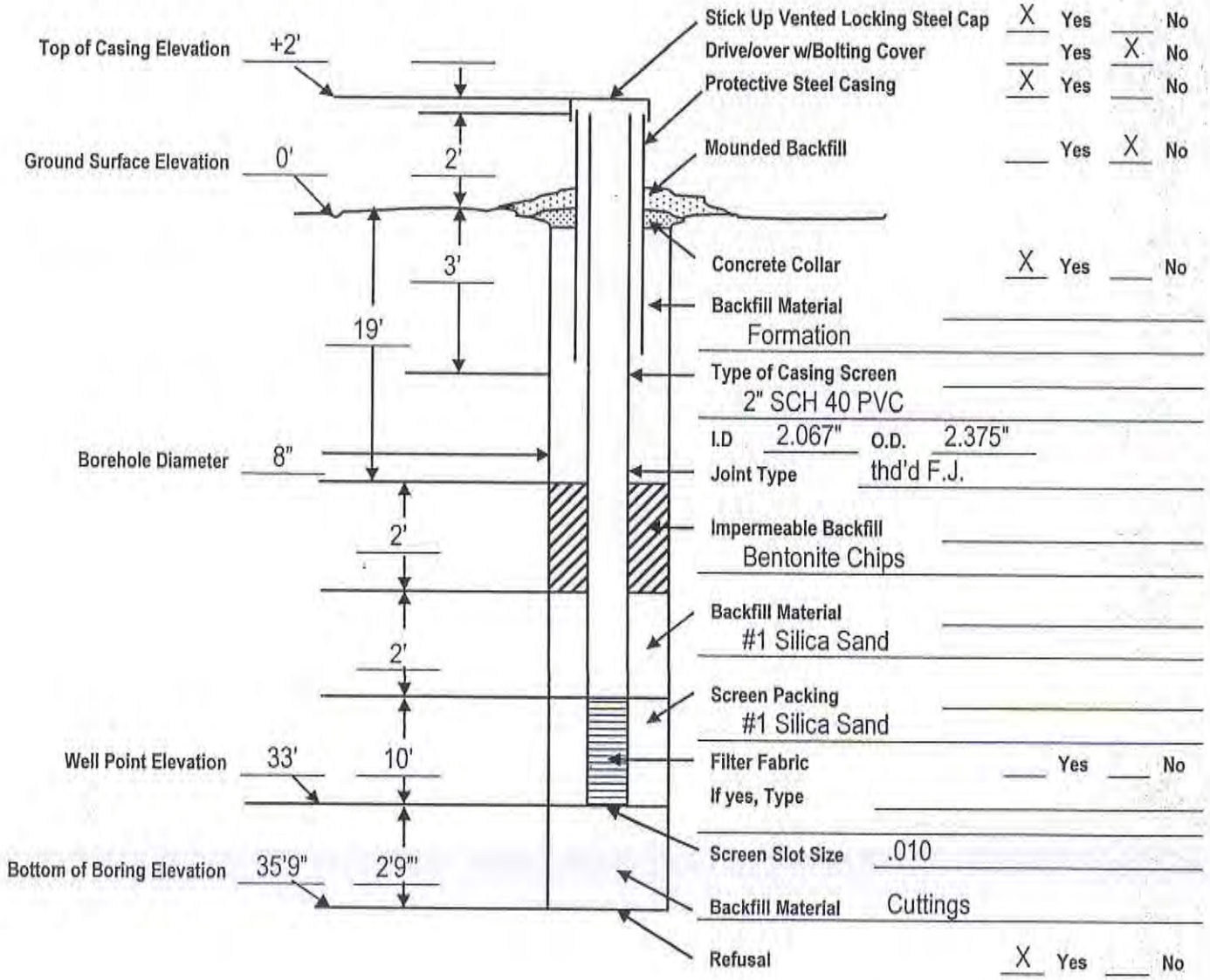
140 OXFORD ROAD - OXFORD, CONN. 06478-1943

GEOTECHNICAL / ENVIRONMENTAL SUBSURFACE INVESTIGATIONS - Test Borings - Core Drilling
Monitoring Wells - Recovery Wells - Direct Push/Probe Sampling
UNDERPINNING - HELICAL PILES - SOIL NAILS

CLIENT: Ecosystems Strategies, Inc.

Monitor Well # B-1 /MW - 1

JOB #: E6-8803-11



Screen	10'	Bentonite Pellets		Locking Exp. Plug	1
Riser	25'	Bentonite Chips	½ bag	Lock	
Plug	1	Concrete Mix	1 bag	D/O	1
Slip Cap		Portland Cement		S/U	1
Silica Sand	400#				
Powdered Bentonite					

SOILTESTING, INC. 140 OXFORD RD. OXFORD, CT 06478 CT (203) 888-4531 NY (914) 946-4850	CLIENT: Ecosystems Strategies,Inc.	SHEET 1 OF 1 HOLE NO. B-2/TW-1
	PROJECT NO. E6-8803-11	
	PROJECT NAME 1825 Boston Post Road	BORING LOCATIONS as directed
FOREMAN - DRILLER MD/mt	LOCATION Bronx, NY	
INSPECTOR RH	CASING / SAMPLER / CORE BAR TYPE HSA / SS SIZE I.D. 4 ¼" / 1 3/8" HAMMER WT. 140# BIT HAMMER FALL 30"	OFFSET DATE START 2/3/11 DATE FINISH 2/3/11 SURFACE ELEV. GROUND WATER ELEV.
GROUND WATER OBSERVATIONS AT 18 FT. AFTER 0 HOURS AT FT AFTER HOURS		

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		1	ss	24"	13"	2'0"	5	7			dry		
							13	12			compact		Brn FC SAND,sm F gravel, brick,lit concrete
		2	ss	9"	7"	2'9"	13	50/3'					SAME
5		3	ss	24"	12"	6'0"	0	10			dry		
							15	21			compact		SAME
		4	ss	9"	9"	6'9"	21	50/3"					
		5	ss	0"	0"	8'0"	50/0"						SAME
10													Gry/Brn F SAND & SILT,lit asphalt, organics
		6	ss	24"	7"	12'0"	10	6			dry		
							4	6			loose		Gry/Brn VF SAND, lit silt, organics
		7	ss	24"	16"	14'0"	10	12			dry		
							11	10			compact		Brn F SAND
15		8	ss	24"	16"	16'0"	7	8			v moist		
							9	8			compact		Brn VF SAND,sm silt
		9	ss	24"	15"	18'0"	8	6			wet		
							4	11			loose		Brn F SAND
		10	ss	24"	20"	20'0"	8	6			wet		
20							5	4			compact		no recovery
		11	ss	24"	13"	22'0"	6	6			wet		
							5	4			compact		Brn VF SAND & SILT
		12	ss	24"	20"	24'0"	4	4			wet		
							5	6			loose		
25													
30												30'0"	Auger Refusal
													E.O.B. 30'0"
35													
40													

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO _____FT. USED _____CASING THEN _____ CASING TO _____FT. **HOLE NO. B-2/TW-1**

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST

WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS

SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER

PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND =35 - 50%

C = COARSE
M = MEDIUM
F = FINE

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SOILTESTING, INC.

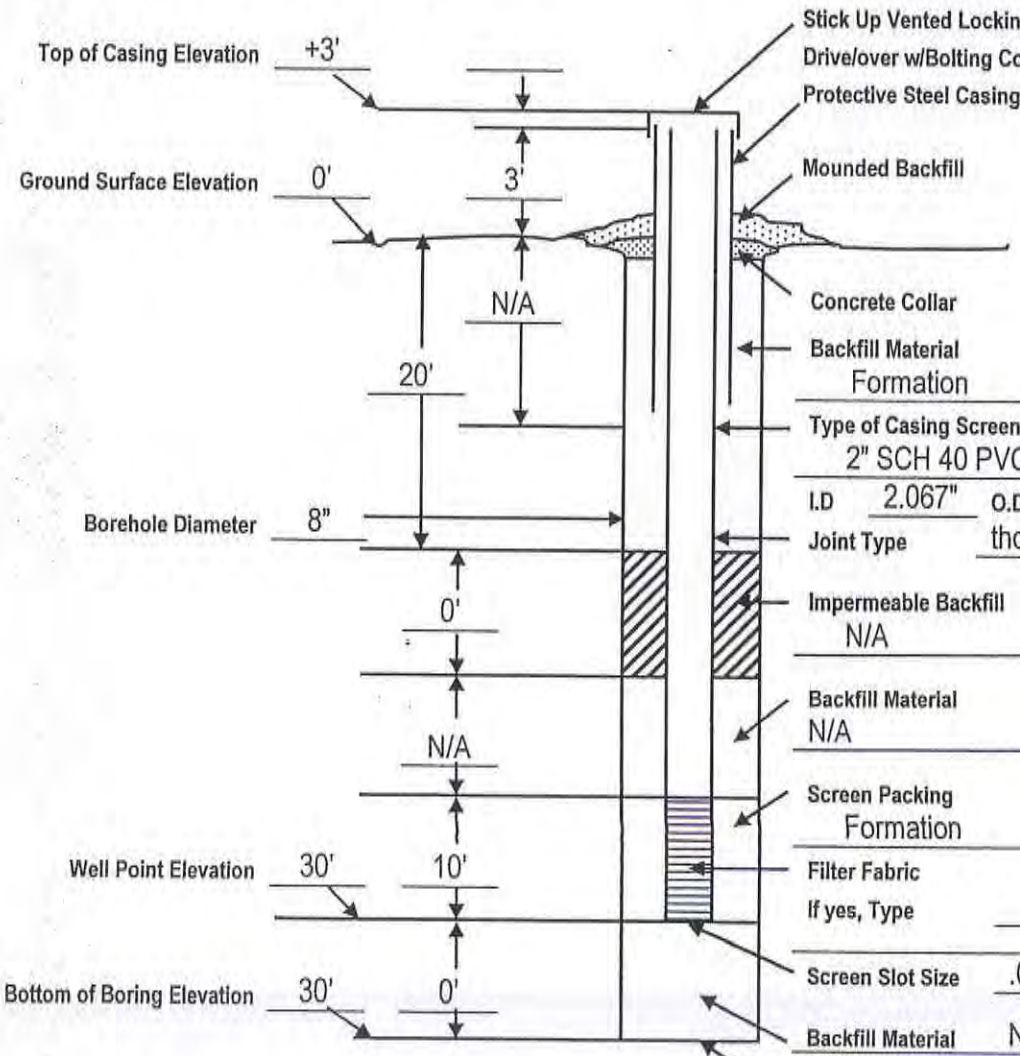
140 OXFORD ROAD - OXFORD, CONN. 06478-1943

GEOTECHNICAL / ENVIRONMENTAL SUBSURFACE INVESTIGATIONS - Test Borings - Core Drilling
Monitoring Wells - Recovery Wells - Direct Push/Probe Sampling
UNDERPINNING - HELICAL PILES - SOIL NAILS

CLIENT: Ecosystems Strategies, Inc.

Monitor Well # B-2/TW - 1

JOB #: E6-8803-11



Stick Up Vented Locking Steel Cap ___ Yes X No
Drive/over w/Bolting Cover ___ Yes X No
Protective Steel Casing ___ Yes X No
Mounded Backfill X Yes ___ No
Concrete Collar X Yes ___ No
Backfill Material Formation
Type of Casing Screen 2" SCH 40 PVC
I.D 2.067" O.D. 2.375"
Joint Type thd'd F.J.
Impermeable Backfill N/A
Backfill Material N/A
Screen Packing Formation
Filter Fabric ___ Yes ___ No
If yes, Type
Screen Slot Size .010
Backfill Material N/A
Refusal ___ Yes X No

Screen	10'	Bentonite Pellets		Locking Exp. Plug	1
Riser	25'	Bentonite Chips	none	Lock	
Plug	1	Concrete Mix	none	D/O	
Slip Cap		Portland Cement		S/U	
Silica Sand	none				
Powdered Bentonite					

SOILTESTING, INC. 140 OXFORD RD. OXFORD, CT 06478 CT (203) 888-4531 NY (914) 946-4850	CLIENT: Ecosystems Strategies,Inc.	SHEET 1 OF 1 HOLE NO. B-3 /TW-2
	PROJECT NO. E6-8803-11	
	PROJECT NAME 1825 Boston Post Road	BORING LOCATIONS as directed
FOREMAN - DRILLER MD/tp	LOCATION Bronx, NY	
INSPECTOR RH	CASING / SAMPLER / CORE BAR	OFFSET
	TYPE: HSA / SS	DATE START 2/4/11
GROUND WATER OBSERVATIONS	SIZE I.D.: 4 ¼" / 1 3/8"	DATE FINISH 2/4/11
AT 11 FT AFTER 0 HOURS	HAMMER WT.: 140# BIT	SURFACE ELEV.
AT FT AFTER HOURS	HAMMER FALL: 30"	GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6	6 - 12	12 - 18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		1	ss	24"	15"	2'0"	20	13			moist		
							21	24			dense		Brn FM SAND,sm brick, F gravel, lit concrete,silt
5		2	ss	17"	10"	6'5"	5	15			dry		
							50/5"				dense		SAME
10		3	ss	24"	16"	12'0"	4	6			wet		
							7	6			compact		Gry/Dk Brn Organic SILT & F SAND
15													
20													
25													
												29'0"	Auger Refusal
30													E.O.B. 29'0"
35													
40													

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO _____FT. USED _____CASING THEN _____ CASING TO _____FT. **HOLE NO. B-3 /TW-2**

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST

WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE

SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM

PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND =35 - 50% F = FINE

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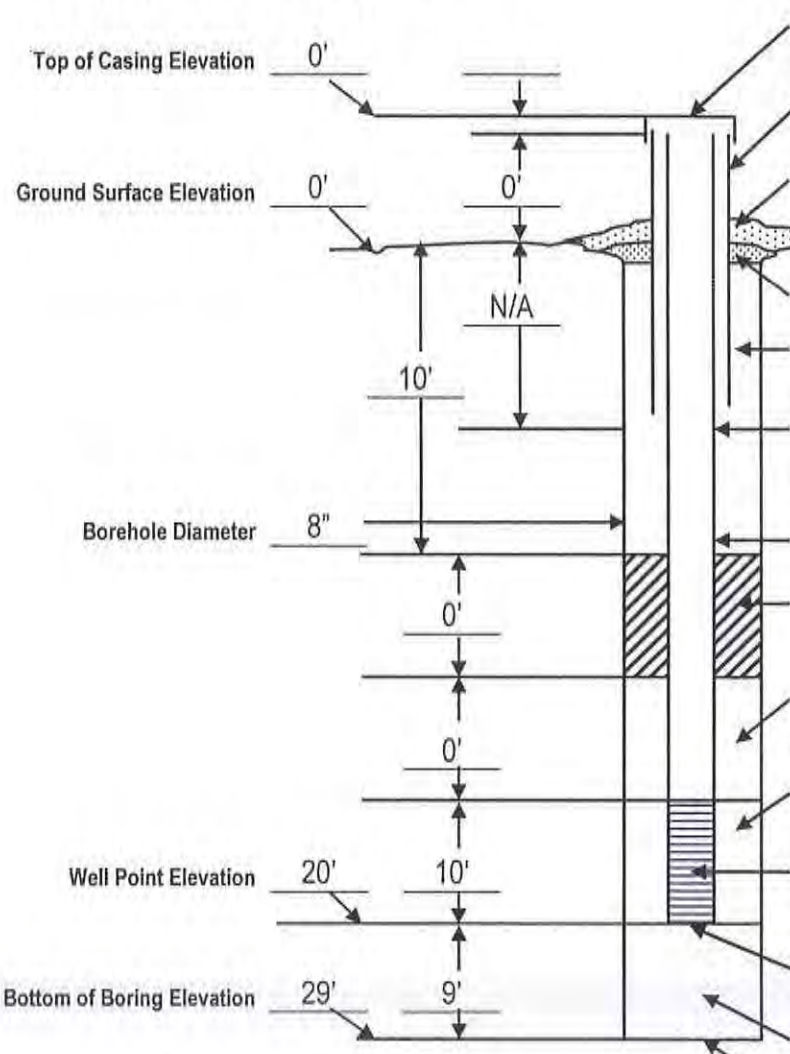
140 OXFORD ROAD - OXFORD, CONN. 06478-1943

GEOTECHNICAL / ENVIRONMENTAL SUBSURFACE INVESTIGATIONS - Test Borings - Core Drilling
Monitoring Wells - Recovery Wells - Direct Push/Probe Sampling
UNDERPINNING - HELICAL PILES - SOIL NAILS

CLIENT: Ecosystems Strategies, Inc.

Monitor Well # B-3/TW - 2

JOB #: E6-8803-11



Stick Up Vented Locking Steel Cap ___ Yes X No
Drive/over w/Bolting Cover ___ Yes X No
Protective Steel Casing ___ Yes X No
Mounded Backfill ___ Yes X No
Concrete Collar ___ Yes X No
Backfill Material Formation
Type of Casing Screen 2" SCH 40 PVC
I.D 2.067" O.D. 2.375"
Joint Type thd'd F.J.
Impermeable Backfill N/A
Backfill Material N/A
Screen Packing formation
Filter Fabric ___ Yes ___ No
If yes, Type
Screen Slot Size .010
Backfill Material Formation
Refusal X Yes ___ No

Screen	10'	Bentonite Pellets		Locking Exp. Plug	1
Riser	10'	Bentonite Chips	none	Lock	
Plug	1	Concrete Mix	none	D/O	none
Slip Cap		Portland Cement		S/U	
Silica Sand	none				
Powdered Bentonite					

SOILTESTING, INC. 140 OXFORD RD. OXFORD, CT 06478 CT (203) 888-4531 NY (914) 946-4850	CLIENT: Ecosystems Strategies,Inc.	SHEET 1 OF 1 HOLE NO. B-4/MW-2
	PROJECT NO. E6-8803-11	
	PROJECT NAME 1825 Boston Post Road	BORING LOCATIONS as directed
FOREMAN - DRILLER MD/tp	LOCATION Bronx, NY	
INSPECTOR RH		OFFSET
GROUND WATER OBSERVATIONS AT 6 FT AFTER 0 HOURS AT FT AFTER HOURS	TYPE: CASING HSA, SAMPLER SS, CORE BAR SIZE I.D.: 4 ¼", 1 3/8" HAMMER WT.: 140#, BIT HAMMER FALL: 30"	DATE START 2/4/11 DATE FINISH 2/4/11 SURFACE ELEV. GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		1	ss	24"	16"	2'0"	5	5			moist	1'0"	Brn FC SAND, sm F gravel,lit brick,concrete, tr silt, ash
							14	7			compact		Brn FM SAND, sm silt, lit F gravel, tr brick
5		2	ss	24"	1"	7'0"	2	3			moist		
							2	3			loose		FC SAND, lit asphalt
												9'0"	Auger Refusal
10													E.O.B. 9'0"
15													
20													
25													
30													
35													
40													

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO _____FT. USED _____CASING THEN _____ CASING TO _____FT. **HOLE NO. B-4/MW-2**

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST

WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE

SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM

PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND =35 - 50% F = FINE

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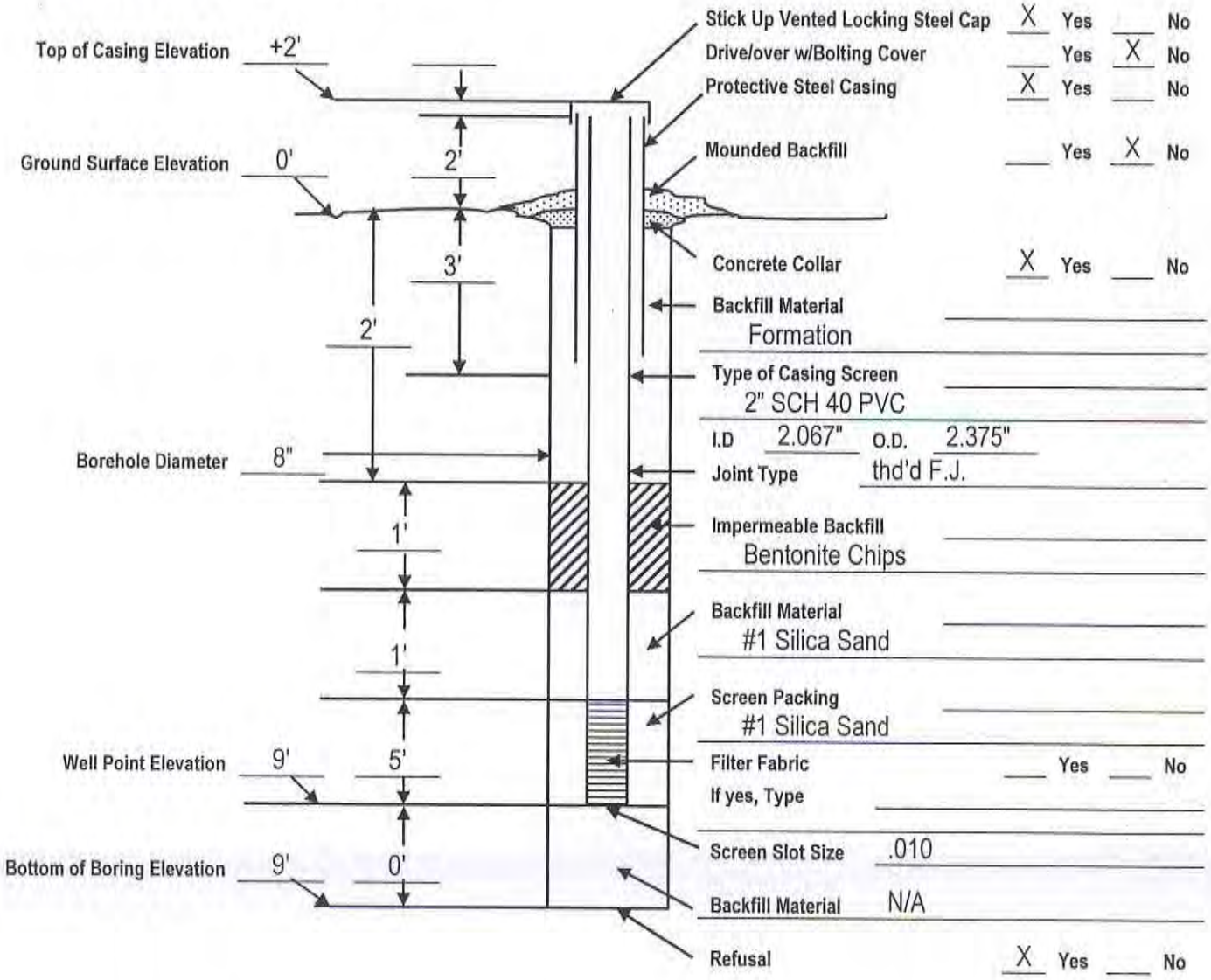
Monitoring Wells - Recovery Wells - Direct Push/Probe Sampling
UNDERPINNING - HELICAL PILES - SOIL NAILS

CLIENT: Ecosystems Strategies, Inc.

Monitor Well # B-4/MW - 2

JOB #: E6-8803-11



Screen	5'	Bentonite Pellets		Locking Exp. Plug	1
Riser	5'	Bentonite Chips	½ bag	Lock	
Plug	1	Concrete Mix	1 bag	D/O	
Slip Cap		Portland Cement		S/U	1
Silica Sand	250#				
Powdered Bentonite					

SOILTESTING, INC. 140 OXFORD RD. OXFORD, CT 06478 CT (203) 888-4531 NY (914) 946-4850	CLIENT: Ecosystems Strategies,Inc.	SHEET 1 OF 1 HOLE NO. B-5/MW-3
	PROJECT NO. E6-8803-11	
	PROJECT NAME 1825 Boston Post Road	BORING LOCATIONS as directed
FOREMAN - DRILLER MD/tp	LOCATION Bronx, NY	
INSPECTOR RH		OFFSET
GROUND WATER OBSERVATIONS AT 17 FT AFTER 8 HOURS AT FT AFTER HOURS	TYPE: CASING HSA, SAMPLER SS, CORE BAR SIZE I.D.: 4 ¼", 1 3/8" HAMMER WT.: 140#, BIT HAMMER FALL: 30"	DATE START 2/4/11 DATE FINISH 2/4/11 SURFACE ELEV. GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0-6 / 6-12 / 12-18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		1	ss	24"	14"	2'0"	18 / 13 17 / 10		dry compact		Tan FM SAND, sm F gravel,brick,lit concrete,silt
5		2	ss	24"	10"	7'0"	2 / 3 2 / 3		dry loose		Brn FC SAND, sm brick, cinders, lit ash, silt
10		3	ss	24"	12"	12"0"	24 / 14 7 / 6		v moist compact		dk Brn Organic SILT
15		4	ss	24"	16"	17'0"	8 / 8 6 / 4		moist compact		Brn VF SAND, sm silt
20											
25										27'0"	Auger Refusal
											E.O.B. 27'0"
30											
35											
40											

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO _____FT. USED _____CASING THEN _____ CASING TO _____FT. **HOLE NO. B-5/MW-3**

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST

WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS

SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER

PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND =35 - 50%

C = COARSE
M = MEDIUM
F = FINE

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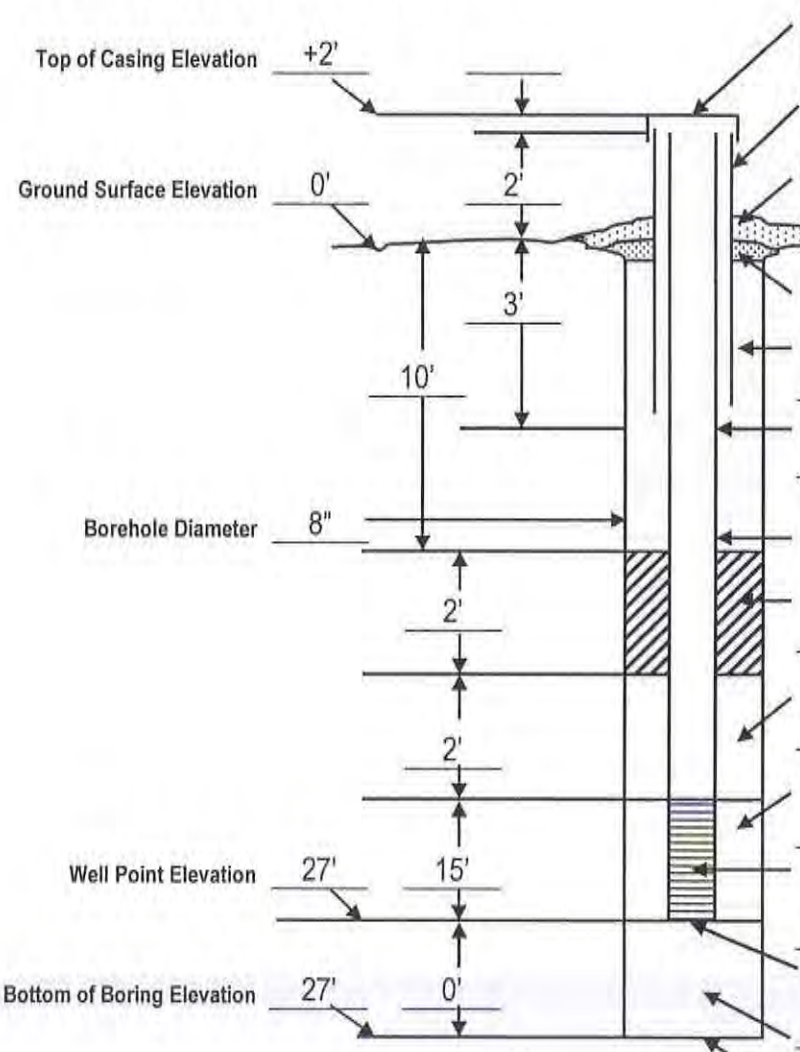
SOILTESTING, INC.

140 OXFORD ROAD - OXFORD, CONN. 06478-1943

GEOTECHNICAL / ENVIRONMENTAL SUBSURFACE INVESTIGATIONS - Test Borings - Core Drilling
Monitoring Wells - Recovery Wells - Direct Push/Probe Sampling
UNDERPINNING - HELICAL PILES - SOIL NAILS

CLIENT: Ecosystems Strategies, Inc.

Monitor Well # B-5/MW - 3 **JOB #:** E6-8803-11



Stick Up Vented Locking Steel Cap	X Yes	___ No	
Drive/over w/Bolting Cover	___ Yes	X No	
Protective Steel Casing	X Yes	___ No	
Mounded Backfill	___ Yes	X No	
Concrete Collar	X Yes	___ No	
Backfill Material	Formation		
Type of Casing Screen	2" SCH 40 PVC		
I.D 2.067" O.D. 2.375" Joint Type	thd'd F.J.		
Impermeable Backfill	Bentonite Chips		
Backfill Material	#1 Silica Sand		
Screen Packing	#1 Silica Sand		
Filter Fabric	___ Yes	___ No	
If yes, Type			
Screen Slot Size	.010		
Backfill Material	N/A		
Refusal	X Yes	___ No	

Screen	15'	Bentonite Pellets		Locking Exp. Plug	1
Riser	15'	Bentonite Chips	½ bag	Lock	
Plug	1	Concrete Mix	1 bag	D/O	
Slip Cap		Portland Cement		S/U	1
Silica Sand	400#				
Powdered Bentonite					

Table 2.3 - Soil Vapor Sample Collection Data

Boring ID	Location	Depth of Sample*	Summa Canister Vacuums
SV-1	18' north of TW- 2 and 25' east of western property line	9'	28 psi at start 3 psi at end
SV-2	Southwest corner of site. 22' east of western property line and 21' north of southern property line.	14'	30 psi at start 2 psi at end
SV-3	Southeast corner of site. 15' north of southern property line and 28.5' west of eastern property line.	14'	30 psi at start 2 psi at end
SV-4	Central portion of property (in area of concrete pavement). 94' west of MW-2 and 106' south of northern property line.	14'	31 psi at start 3 psi at end
SV-5	Eastern portion of site. 7.5' west of eastern property line and 39' southwest of MW-2.	14'	31 psi at start 3 psi at end
SV-6	Northern central portion of property. 152' west of eastern property line and 12' south of northern property line.	14'	29 psi at start 2 psi at end
Soil vapor sample depths were based on the proposed maximum depth of construction excavations (14'). Sample SV1 was collected at a shallower depth of 9' because of the presence of shallow groundwater in that location.			

TABLE ~~5~~3

Analytical Methods Summary Table

matrix	number of samples	analytical parameters measured	analytical methods used	number of duplicate samples	number of trip blank samples	number of field blank samples	MS/MSD
Soil	23	VOCs SVOCs PCBs Pesticides TAL Metals	EPA Method 8260 EPA Method 8270 EPA Method 8081 EPA Method 8082 EPA Method 6010	0	2	1	0
Groundwater	3	VOCs SVOCs PCBs Pesticides TAL Metals	EPA Method 8260 EPA Method 8270 EPA Method 8081 EPA Method 8082 EPA Method 6010	1	1	1	0
Soil vapor	6	VOCs	T0-15	0	1	1	0

Table 4.1: VOCs in Soil - ESI File SB10180.40

VOCs (USEPA Method 8260)	Regulatory Criteria µg/kg (parts per billion)	Sample Identification																					
		B-1 (0-2')	B-1 (25-26')	B-2 (0-2')	B-2 (22-24')	B-3 (0-2')	B-3 (10-12')	B-4 (0-2')	B-5 (0-2')	B-5 (15-17')	B-6 (0-2')	B-6 (6-8)	B-7 (0-2)	B-7 (10.5)	B-8 (0-2')	B-8 (20-21')	B-9 (0-2)	B-9 (15.5')	B-11 (0-2')	B-11 (7.5')	B-12(0-2')	B-12 (9-10)	B-13 (0-2')	B-13 (10)
1,1,1,2-Tetrachloroethane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	**680**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro - 1,2,2-trifluorethane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**270**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	**330**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**3,600**	32	ND	28	ND	7.6 J	4.7 J	2.8 J	3.9 J	ND	1.8 J	ND	2.3 J	ND	ND	ND	ND	25	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	**1,100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	**20**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**8,400**	10 J	ND	11 J	ND	2.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.6 J	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	**2,400**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	**1,800**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**NE**	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	**760**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	**1,100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	**370**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloropropene	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**1,000**	8.6 J	ND	10 J	ND	ND	ND	ND	ND	ND	ND	ND	2.1 J	ND	ND	ND	ND	6.6 J	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	**NE**	ND	ND	2.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	**50**	19 J	18 J	19 J	15 J	26	18 J	17 J	19 J	16 J	21 J	31	41	20 J	11 J	14 J	33	25 J	15 J	6.2 J	21 J	13 J	20 J	13 J
Methyl-tert-butyl-ether (MTBE)	**930**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**12,000**	72	2.7 J	5.6 J	ND	5.1 J	ND	ND	ND	ND	55	4.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	**NE**	2.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**3,900**	4.4 J	ND	4.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	ND	ND	ND
o-Xylene	**260**	14	ND	16	ND	2.0 J	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	ND	ND	8.1 J	ND	ND	ND	ND	ND	ND
p-&m-Xylenes	**260**	37		42		4.2 J	2.2 J		2.2 J		4.3 J	2.1 J	8.6 J				5.0 J	25 J				2.6 J		
p-Isopropyltoluene	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**11,000**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	**5,900**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	**1,300**	2.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**700**	5.2 J	ND	4.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloropropene	**NE**	ND	ND	6.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	**470**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	**NE**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	**20**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

Regulatory criteria based on BCP Unrestricted Use SCOs, 6 NYCRR Part 375, Table 375-6.8(a).
J - Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value;
B-Dil: Detected in method blank(s) associated with the sample analysis. This is a common lab artifact which is found at ND-25 ppb. No dilution factor has been applied to these compounds to eliminate artificially inflated results; B Analyte is found in the associated analysis batch blank.
ND = Not Detected ; NE = No value listed
Blue shade indicates detectable concentrations
Bold and yellow shade indicates exceedance of applicable regulatory criteria

Ecosystems Strategies, Inc.

Table 4.2: SVOCs - ESI File SB10180.40

SVOCS (USEPA Method 8270)	Unrestricted Use µg/kg (parts per billion)	Sample Identification																						
		B-1 (0-2')	B-1 (25-26')	B-2 (0-2')	B-2 (22-24')	B-3 (0-2')	B-3 (10-12')	B-4 (0-2')	B-5 (0-2')	B-5 (15-17')	B-6 (0-2')	B-6 (6-8)	B-7 (0-2)	B-7 (10.5)	B-8 (0-2')	B-8 (20-21')	B-9 (0-2)	B-9 (15.5')	B-11 (0-2')	B-11 (7.5')	B-12(0-2')	B-12 (9-10)	B-13 (0-2')	B-13 (10)
1,2,4-Trichlorobenzene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2'-oxybis[1-chloropropane]	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	ND	ND	ND	ND	ND	ND	1,490 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	568 J	ND	ND	ND	54.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	1,480 J	ND	1,940 J	ND	1,360	ND	4,000	ND	ND	3,360	ND	1,420 J	ND	ND	ND	623 J	3,130 J	433 J	ND	538 J	ND	1,920 J	ND
Benzo(a)anthracene	1,000	5,330	ND	6,490	ND	3,790	ND	9,930	95.6 J	ND	7,380	ND	8,670	83.2 J	ND	ND	4,050	22,500	5,120	ND	3,540	ND	14,100	ND
Benzo(a)pyrene	1,000	5,230	ND	5,680	ND	3,520	ND	7,920	76.1 J	ND	4,680	ND	5,930	71.1 J	ND	ND	2,890	12,400	4,840	ND	1,970	ND	6,670	ND
Benzo(b)fluoranthene	1,000	8,180	ND	8,580	ND	3,550	ND	3,050	123 J	ND	3,560	ND	5,320	ND	ND	ND	2,220	13,200	3,840	ND	1,800 J	ND	7,050	ND
Benzo(ghi)perylene	100,000	3,090 J	ND	3,670 J	ND	1,320	ND	1,910	75.0 J	ND	1,070 J	ND	1,520 J	ND	ND	ND	ND	ND	529 J	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	800	7,090	ND	6,430	ND	3,580	ND	6,740	ND	ND	3,560	ND	5,890	ND	ND	ND	2,990	13,000	4,240	ND	2,210	ND	7,990	ND
Benzyl alcohol	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13,600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NE	ND	ND	ND	229	ND	93.3 J	ND	100 J	ND	ND	ND	ND	ND	146 J	ND	ND	ND	ND	65.3 J	ND	ND	2,620 J	ND
Butyl benzyl phthalate	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	3,920 J	ND	7,040	ND	3,640	ND	9,480	93.3 J	ND	5,890	ND	9,270	85.9 J	ND	ND	3,990	21,800	5,120	ND	3,280	ND	14,400	ND
Dibenzo(a h)anthracene	330	1,950 J	ND	ND	ND	848 J	ND	1,640 J	ND	ND	502 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,570	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	13,400	ND	12,900	ND	5,980	ND	16,800	181 J	ND	18,200	ND	17,700	ND	ND	ND	8,290	42,600	8,050	ND	7,500	ND	28,600	ND
Fluorene	30,000	ND	ND	ND	ND	645 J	ND	2,160	ND	ND	1,750 J	75.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1 2 3-cd)pyrene	500	3,300 J	ND	3,800 J	ND	1,700	ND	2,660	ND	ND	1,280 J	ND	1,520 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m-Cresol	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	12,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitroso-di-n-propylamine	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodiphenylamine	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Cresol	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Cresol	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	5,870	ND	6,220	ND	4,510	ND	11,400	108 J	ND	16,100	ND	7,350	ND	ND	ND	3,090	20,900	2,020	ND	2,330	ND	9,610	ND
Phenol	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100,000	7,330	ND	8,480	ND	4,950	ND	10,600	139 J	ND	15,300	300	14,500	ND	ND	ND	7,220	36,700	7,140	ND	6,430	ND	25,100	ND
Pyridine	NE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Regulatory criteria based on BCP Unrestricted Use SCOs, 6 NYCRR Part 375, Table 375-6.8(a).
J - Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The Concentration given is an approximate value.
ND = Not Detected NA = Not Analyzed
NE - no value listed
Blue shade indicates detectable concentrations
Bold and yellow shade indicates exceedance of applicable regulatory criteria

TABLE 4.3 - ESI File SB10180.40

PCBs (USEPA Method 8082)	Regulatory Criteria µg/kg (parts per billion)	Sample Identification				
		B-1 (0-2')	B-2 (0-2')	B-3 (0-2')	B-4 (0-2')	B-5 (0-2')
Aroclor 1016	100	NA	ND	ND	ND	ND
Aroclor 1221	100	NA	ND	ND	ND	ND
Aroclor 1232	100	NA	ND	ND	ND	ND
Aroclor 1242	100	NA	ND	ND	ND	ND
Aroclor 1248	100	NA	ND	ND	ND	ND
Aroclor 1254	100	NA	84.2	20.0	ND	ND
Aroclor 1260	100	NA	ND	21.8	ND	ND
Aroclor 1262	100	NA	ND	ND	ND	ND
Aroclor 1268	100	NA	ND	ND	ND	ND
Aroclor, Total	100	NA	ND	ND	ND	ND
Pesticides (USEPA Method 8081)						
4,4-DDD	3.3	ND	ND	ND	ND	ND
4,4-DDE	3.3	ND	ND	ND	ND	ND
4,4-DDT	3.3	ND	ND	ND	ND	ND
Aldrin	5	ND	ND	ND	ND	ND
alpha-BHC	20	ND	ND	ND	ND	ND
beta-BHC	36	ND	ND	ND	ND	ND
delta-BHC	40	ND	ND	ND	ND	ND
Dibenzofuran	7,000	ND	ND	ND	ND	ND
Dieldrin	5	ND	ND	ND	ND	ND
Endosulfan I	2,400	ND	ND	ND	ND	ND
Endosulfan II	2,400	ND	ND	ND	ND	ND
Endosulfan sulfate	2,400	ND	ND	ND	ND	ND
Endrin	14	ND	ND	ND	ND	ND
Endrin aldehyde	NE	ND	ND	ND	ND	ND
Enrin ketone	NE	ND	ND	ND	ND	ND
gamma-BHC (Lindane)	100	ND	ND	ND	ND	ND
Heptachlor	42	ND	ND	ND	ND	ND
Heptachlor epoxide	NE	ND	ND	ND	ND	ND
Methoxychlor	NE	ND	ND	ND	ND	ND
Toxaphene	NE	ND	ND	ND	ND	ND
alpha-Chlordane	94	ND	ND	ND	ND	ND
gamma-Chlordane	NE	ND	ND	ND	ND	ND

Notes:

Regulatory criteria based on BCP Unrestricted Use SCOs, 6 NYCRR Part 375, Table 375-6.8(a).
ND = Not Detected
NE - no value listed
Blue shade indicates detectable concentrations

Table 4.4 - ESI File SB10180.40

TAL Metals	Unrestricted Use mg/kg (parts per million)	Eastern US Background Concentrations mg/kg (parts per million)	Sample Identificaiton																					
			B-1 (0-2')	B-1 (25-26')	B-2 (0-2')	B-2 (22-24')	B-3 (0-2')	B-3 (10-12')	B-4 (0-2')	B-5 (0-2')	B-5 (15-17')	B-6 (0-2')	B-6 (6-8)	B-7 (0-2)	B-7 (10.5)	B-8 (0-2')	B-8 (20-21')	B-9 (0-2)	B-9 (15.5')	B-11 (0-2')	B-11 (7.5')	B-12(0-2')	B-12 (9-10)	B-13 (0-2')	B-13 (10)
Aluminum	**NE**	**33,000**	8,450	12,300	7,630	13,900	7,870	6,810	13,800	5,680	16,600	7,880	6,740	9,280	5,300	15,700	8,350	8,690	5,300	6,880	14,900	6,250	11,200	8,640	9,570
Antimony	**NE**	**NP**	0.418	ND	5.93	ND	3.06	1.63	ND	19.9	ND	4.82	1.83	2.31	11.6	1.68	0.443	4.24	4.65	2.37	0.598	7.75	1.21	8.33	0.870
Arsenic	**13**	**3-12**	3.81	3.79	5.85	3.40	7.87	1.29	3.54	3.81	4.03	**14.8**	6.75	5.98	2.94	3.44	1.58	6.26	5.45	3.45	3.41	4.92	3.65	6.51	1.23
Barium	**350**	**15-600**	95.8	121	285	142	336	44.9	127	92.7	104	225	90.9	**570**	68.6	151	84.1	**613**	**1,270**	147	81.7	181	93.7	**667**	127
Beryllium	**7.2**	**0-1.75**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	**2.5**	**0.1-1**	ND	ND	ND	ND	1.04	ND	ND	ND	ND	ND	ND	0.668	ND	ND	ND	ND	2.09	ND	ND	ND	ND	0.919	ND
Calcium	**NE**	**130-35,000**	45,500	5,310	37,200	3,110	25,300	3,430	17,700	42,200	911	14,900	19,300	45,100	11,800	21,400	1,960	41,700	55,200	21,200	3,270	25,600	4,920	41,100	1,330
Chromium	**30**	**1.5-40**	29.8	29.2	**35.0**	**32.8**	27.9	15.1	25.3	8.82	**46.1**	**36.0**	25.8	**30.6**	14.1	24.1	20.8	26.5	**46.8**	20.9	**31.8**	23.2	25.6	**44.5**	17.6
Cobalt	**NE**	**2.5-60**	5.74	15.3	6.65	14.7	18.8	7.82	12.2	3.69	15.4	20.1	18.1	6.78	7.51	16.0	11.9	6.87	4.69	8.31	12.1	6.85	9.83	7.52	4.39
Copper	**50**	**1-50**	29.2	32.9	**171**	28.3	**265**	11.7	48.7	**146**	44.8	**990**	**80.0**	**68.9**	**255**	45.3	26.4	**69.4**	**73.0**	**55.6**	34.2	**156**	**58.0**	**138**	15.6
Iron	**NE**	**2,000-550,000**	14,100	25,800	23,300	28,100	23,900	11,100	31,900	9,980	45,500	31,100	78,400	17,500	12,700	24,300	17,900	16,400	11,900	14,500	21.200	21,000	25,600	18,500	10,100
Lead	**63**	**4-500****	**100**	6.46	**398**	4.44	**411**	3.77	48.4	**216**	2.76	**572**	**457**	**458**	**297**	12.4	2.89	**342**	**701**	**183**	8.42	**408**	**113**	**626**	10.7
Magnesium	**NE**	**100-5,000**	9,090	7,840	6,570	7,310	4,680	3,240	6,070	13,200	9,560	4,970	6,480	7,930	2,790	12,900	3,990	9,540	6,740	5,050	4,390	5,310	4,990	6,950	2,920
Manganese	**1,600**	**50-5,000**	446	211	314	352	336	85.2	364	484	443	381	377	280	188	870	217	281	199	277	447	301	511	268	77.3
Mercury	**0.18**	**0.001-0.2**	ND	ND	ND	ND	**0.583**	ND	ND	ND	ND	ND	ND	ND	**0.688**	ND	ND	ND	**0.486**	ND	ND	ND	ND	0.153	ND
Nickel	**30**	**0.5-25**	16.6	**37.7**	23.2	**32.6**	**39.1**	16.1	25.7	11.6	**36.1**	**44**	17.3	16.2	14.9	24.6	18.3	16.1	**39.5**	16.6	21.0	15.1	19.8	19.5	12.0
Potassium	**NE**	**8,500-43,000**	2,000	4,830	1,730	5,630	1,810	1,080	4,100	977	8,430	1,020	947	3,090	1,320	4,290	3,680	1,520	1,320	2,350	1,870	1,880	2,410	1,560	619
Selenium	**3.9**	**0.1-3.9**	0.945	2.44	1.56	1.44	2.21	0.888	0.704	ND	1.55	**5.18**	**4.87**	2.65	2.80	3.67	2.80	2.45	1.88	2.83	3.52	**3.96**	**4.20**	2.67	1.42
Silver	**2**	**NP**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	**NE**	**6,000-8,000**	1,160	1,260	916	892	893	777	669	726	446	377	286	674	243	280	262	587	473	290	593	377	222	590	184
Thallium	**NE**	**NP**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	**NE**	**1-300**	25.1	40.8	26.9	47.5	24.3	21.9	39.8	21.1	75.5	24.3	29.5	28.1	18.1	39.5	34.5	26.8	23.7	21.1	37.8	19.4	32.6	29.8	18.7
Zinc	**109**	**9-50**	**114**	64.3	**298**	63.0	**1,750**	38.5	91.0	46.4	86.4	**2,010**	**177**	**454**	91.4	46.9	41.4	**445**	**1,720**	**267**	50.6	**306**	77.3	**692**	54.6

Notes:

Regulatory criteria based on BCP Unrestricted Use SCOs, 6 NYCRR Part 375, Table 375-6.8(a).

ND = Not Detected

NE - no value listed

Blue shade indicates detectable concentrations

Bold and yellow shade indicates exceedance of applicable regulatory criteria

Table 5.1 - VOCs in Water - ESI File SB10180.40

VOCS (USEPA Method 8260)	Regulatory Criteria/ Guidance Level µg/L	Sample Identification		
		MW-1	TW-2	MW-3
1,1,1,2-Tetrachloroethane	5	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND
1,1-Dichloroethylene	5	ND	ND	ND
1,1-Dichloropropylene	5	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND
1,2,3-Trimethylbenzene	5	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND
1,2-Dibromoethane	5	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND
cis-1,2-Dichloroethylene	5	ND	ND	ND
trans-1,2-Dichloroethylene	5	ND	ND	ND
1,2-Dichloroethylene (total)	5	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND
1-Chlorohexane	5	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND
Benzene	1	ND	ND	ND
Bromobenzene	5	ND	ND	ND
Bromochloromethane	5	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND
Bromoform	50	ND	ND	ND
Bromomethane	5	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND
Chlorobenzene	5	ND	ND	ND
Chloroethane	5	ND	ND	ND
Chloroform	7	ND	ND	ND
Chloromethane	5	ND	ND	ND
Cis-1,3-Dichloropropylene	0.4	ND	ND	ND
Dibromochloromethane	5	ND	ND	ND
Dibromomethane	5	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND
Ethylbenzene	5	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND
Methylene chloride	5	3.9 J	3.9 J	3.6 J
Methyl tert-butyl ether (MTBE)	10	1.1 J	ND	ND
Naphthalene	10	ND	1.4 J	ND
n-Butylbenzene	5	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND
Xylenes (o,m,p)	5	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND
Styrene	5	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND
Tetrachloroethylene	5	ND	ND	ND
Toluene	5	ND	ND	ND
trans-1,3-Dichloropropylene	0.4	ND	ND	ND
Trichloroethylene	5	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND
Vinyl chloride	2	ND	ND	ND
tert-Butyl alcohol (TIC)		ND	ND	ND

Notes:

Regulatory Criteria/Guidance levels based on Title 6 NYCRR Part 703 Water Quality Standards or NYSDEC Division of Water TOGS 1.1.1 (June 1998) and subsequent NYSDEC Memoranda, as appropriate

J - Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value;

B-Dil: Detected in method blank(s) associated with the sample analysis. This is a common lab artifact which is found at ND-25 ppb. No dilution factor has been applied to these compounds to eliminate artificially inflated results; B Analyte is found in the associated analysis batch blank.

ND = Not Detected; NE = No value listed

Blue shade indicates detectable concentrations

Bold and yellow shade indicates exceedance of applicable regulatory criteria

Table 5.2: SVOCs in Water - ESI File SB10180.40

SVOCs (USEPA Method 8270)	Regulatory Criteria/ Guidance Level µg/L (parts per billion)	Sample Identification		
		MW-1	TW-2	MW-3
1,2,4-Trichlorobenzene	5	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND
2,4,5-Trichlorophenol	NE	ND	ND	ND
2,4,6-Trichlorophenol	NE	ND	ND	ND
2,4-Dichlorophenol	5	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND
2,4-Dinitrophenol	10	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND
2-Chloronaphthalene	10	ND	ND	ND
2-Chlorophenol	NE	ND	ND	ND
2-Methylnaphthalene	NE	ND	ND	ND
2-Methylphenol	NE	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND
2-Nitrophenol	NE	ND	ND	ND
3,3-Dichlorobenzidine	5	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND
4,6-Dinitro-2-methylphenol	NE	ND	ND	ND
4-Bromophenyl phenyl ether	NE	ND	ND	ND
4-Chloro-3-methylphenol	NE	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND
4-Chlorophenyl phenyl ether	NE	ND	ND	ND
4-Methylphenol	NE	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND
4-Nitrophenol	5	ND	ND	ND
Acenaphthene	20	ND	ND	ND
Acenaphthylene	NE	ND	ND	ND
Aniline	5	ND	ND	ND
Anthracene	50	ND	ND	ND
Benzo(a)anthracene	0.002	ND	ND	ND
Benzo(a)pyrene	NE	ND	ND	ND
Benzo(b)fluoranthene	0.002	ND	ND	ND
Benzo(ghi)perylene	NE	ND	ND	ND
Benzo(k)fluoranthene	0.002	ND	ND	ND
Benzyl alcohol	NE	ND	ND	ND
Bis(2-chloroethoxy)methane	5	ND	ND	ND
Bis(2-chloroethyl)ether	1	ND	ND	ND
Bis(2-chloroisopropyl)ether	NE	ND	ND	ND
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND
Chrysene	0.002	ND	ND	ND
Dibenzo(a h)anthracene	NE	ND	ND	ND
Dibenzofuran	NE	ND	ND	ND
Diethyl phthalate	50	ND	ND	ND
Dimethyl phthalate	50	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND
Di-n-octyl phthalate	50	ND	ND	ND
Fluoranthene	50	ND	ND	ND
Fluorene	50	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND
Hexachlorocyclopentadiene	5	ND	ND	ND
Hexachloroethane	5	ND	ND	ND
Indeno(1 2 3-cd)pyrene	0.002	ND	ND	ND
Isophorone	50	ND	ND	ND
Naphthalene	10	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND
n-Nitroso-di-n-propylamine	NE	ND	ND	ND
n-Nitrosodiphenylamine	50	ND	ND	ND
n-Nitrosodimethylamine	50	ND	ND	ND
Pentachlorophenol	1	ND	ND	ND
Phenanthrene	50	ND	ND	ND
Phenol	1	ND	ND	ND
Pyrene	50	ND	ND	ND
Pyridine	50	ND	ND	ND

Notes:

Regulatory Criteria/Guidance levels based on Title 6 NYCRR Part 703 Water Quality Standards or NYSDEC Division of Water TOGS 1.1.1 (June 1998) and subsequent NYSDEC Memoranda, as appropriate

ND = Not Detected

NE - no value listed

Blue shade indicates detectable concentrations

Bold and yellow shade indicates exceedance of applicable regulatory criteria

Table 5.3: Pesticides/PCBs in Water - ESI File SB10180.40

Pesticides (USEPA Method 8081)	Regulatory Criteria/ Guidance Level µg/L (parts per billion)	Sample Identification		
		MW-1	TW-2	MW-3
4,4'-DDD	0.30	ND	ND	ND
4,4'-DDE	0.20	ND	ND	ND
4,4'-DDT	0.20	ND	ND	ND
Aldrin	NE	ND	ND	ND
alpha-BHC	0.01	ND	ND	ND
beta-BHC	0.04	ND	ND	ND
Chlordane	0.05	ND	ND	ND
delta-BHC	0.04	ND	ND	ND
Dieldrin	0.004	ND	ND	ND
Endosulfan I	NE	ND	ND	ND
Endosulfan II	NE	ND	ND	ND
Endosulfan sulfate	NE	ND	ND	ND
Endrin	NE	ND	ND	ND
Endrin aldehyde	5	ND	ND	ND
gamma-BHC (Lindane)	0.05	ND	ND	ND
Heptachlor	0.04	ND	ND	ND
Heptachlor Epoxide	0.03	ND	ND	ND
Toxaphene	0.06	ND	ND	ND
PCBs (USEPA Method 8082)				
Aroclor 1016	100	ND	ND	ND
Aroclor 1221	100	ND	ND	ND
Aroclor 1232	100	ND	ND	ND
Aroclor 1242	100	ND	ND	ND
Aroclor 1248	100	ND	1.59	ND
Aroclor 1254	100	ND	ND	ND
Aroclor 1260	100	ND	ND	ND
Aroclor 1262	100	ND	ND	ND
Aroclor 1268	100	ND	ND	ND
Aroclor, Total	100	ND	ND	ND

Notes:
Regulatory Criteria/Guidance levels based on Title 6 NYCRR Part 703 Water Quality Standards or NYSDEC Division of Water TOGS 1.1.1 (June 1998) and subsequent NYSDEC Memoranda, as appropriate
ND = Not Detected
NE - no value listed

Table 5.4: Metals in Water - ESI File SB10180.40

TAL METAL	Regulatory Criteria/ Guidance Level µg/L (parts per billion)	Sample Identification					
		MW-1 Dissolved	MW-1	TW-2 Dissolved	TW-2	MW-3 Dissolved	MW-3
Aluminum	**100**	ND	0.575	ND	1.03	ND	0.540
Antimony	**3**	ND	ND	ND	ND	ND	ND
Arsenic	**25**	ND	ND	ND	ND	ND	ND
Barium	**1,000**	0.062	0.068	0.127	0.152	0.093	0.111
Beryllium	**3**	ND	ND	ND	ND	ND	ND
Cadmium	**5**	ND	ND	ND	ND	ND	ND
Calcium	**NE**	114	115	256	258	74.1	74.8
Chromium	**50**	ND	ND	ND	ND	ND	ND
Cobalt	**5**	0.007	0.008	ND	ND	ND	ND
Copper	**200**	ND	0.005	ND	0.010	ND	0.006
Iron	**300***	0.333	2.93	0.025	1.73	0.014	0.857
Lead	**25**	ND	ND	ND	0.014	ND	ND
Magnesium	**35,000**	73.4	71.5	72.4	71.6	92.5	92.5
Manganese	**300***	2.62	2.61	0.596	0.633	1.28	1.40
Mercury	**0.7**	ND	ND	ND	ND	ND	ND
Nickel	**100**	ND	0.005	ND	ND	ND	0.006
Potassium	**NE**	4.74	4.66	17.7	17.4	5.44	5.55
Selenium	**10**	ND	ND	ND	ND	ND	0.010
Silver	**50**	ND	ND	ND	ND	ND	ND
Sodium	**20,000**	161	161	273	274	62.4	64.5
Thallium	**0.5**	ND	ND	ND	ND	ND	ND
Vanadium	**14**	ND	ND	ND	ND	ND	ND
Zinc	**2,000**	ND	ND	ND	0.025	ND	ND

Notes:

Regulatory Criteria/Guidance levels based on Title 6 NYCRR Part 703 Water Quality Standards or NYSDEC Division of Water TOGS 1.1.1 (June 1998) and subsequent NYSDEC Memoranda, as appropriate

ND = Not Detected * = Guidance level for total iron and manganese is 500

NE - no value listed

Table 6: Summary of Detetected VOCs in Soil Gas Samples - ESI File SB10180-40

Results provided in ug/m^3

Compound	Guideline Values	Sample ID					
		SV-1	SV-2	SV-3	SV-4	SV-5	SV-6
1,1,1-Trichloroethane	NE	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NE	ND	ND	ND	4.0 J	ND	ND
1,1,2-Trichloroethane	NE	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	NE	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	NE	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NE	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NE	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NE	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	NE	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	NE	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NE	ND	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluroethane	NE	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NE	ND	ND	ND	ND	ND	ND
1,3-Butadiene	NE	ND	ND	ND	ND	10	ND
1,3-Dichlorobenzene	NE	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	NE	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NE	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	NE	ND	ND	ND	ND	ND	ND
2-Butanone	NE	ND	6.9	ND	6.7	41	5
2-Hexanone	NE	ND	ND	ND	3.6	17	31
3-Chloropropene	NE	ND	ND	ND	ND	2.4 J	ND
4-Methyl-2-pentanone	NE	ND	ND	ND	ND	ND	35
Acetone	NE	35	1.2 J	3.0	ND	180	ND
Benzene	NE	ND	ND	4.2	ND	11	ND
Benzyl Chloride	NE	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NE	ND	ND	ND	ND	ND	ND
Bromoform	NE	ND	ND	ND	ND	ND	ND
Bromomethane	NE	ND	ND	ND	ND	2.6 J	ND
Carbon Disulfide	NE	ND	ND	1.4	1.9 J	6.2	ND
Carbon Tetrachloride	NE	ND	ND	ND	ND	ND	ND
Chlorobenzene	NE	ND	ND	ND	ND	ND	ND
Cloroethane	NE	ND	ND	ND	ND	ND	ND
Chloroform	NE	ND	2.4 J	9.7	ND	ND	ND
Chloromethane	NE	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	NE	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	NE	ND	ND	ND	ND	ND	ND
Cyclohexane	NE	ND	ND	ND	ND	1.2 J	ND
Dichlorodifluoromethane	NE	ND	ND	2.8 J	ND	2.4 J	ND
Ethyl acetate	NE	ND	ND	3.3	ND	ND	5.2
Ethylbenzene	NE	ND	ND	2.6 J	ND	3.4 J	ND
Freon-113	NE	ND	ND	ND	ND	ND	ND
Isopropanol	NE	ND	ND	21	2.2 J	4.7	ND
Methylene Chloride	60	23	ND	57	6.6 B	19 B	2.7 J, B
MTBE	NE	ND	ND	ND	ND	ND	ND
n-Heptane	NE	76	ND	1.6 J	ND	ND	ND
n-Hexane	NE	300	ND	8.3	2.0 J	ND	2.6 J
o-Xylene	NE	ND	ND	3.9	ND	3.5 J	3.5 J
p- & m-Xylenes	NE	ND	ND	8.1	ND	8.9	ND
p-Ethytoluene	NE	ND	ND	2.8	ND	2.0 J	2.9 J
Propylene	NE	430	ND	16	12	220	7.9 J
Styrene	NE	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	100	ND	ND	3.1	ND	ND	ND
Tetrahydrofuran	NE	ND	3.9 J	3.2	2.8 J	ND	3.9 J
Toluene	NE	ND	3.1 J	5.3	4.7	13	3.0 J
trans-1,2-Dichloroethylene	NE	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	NE	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NE	ND	ND	ND	ND	ND	ND
Vinyl acetate	NE	ND	ND	4.5	ND	6	1.4
Vinyl Bromide	NE	ND	ND	ND	ND	ND	ND
Vinyl Chloride	NE	ND	ND	ND	ND	ND	ND

Notes

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

J = Data indicate the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B = Analyte is found in the associated analysis batch blank

E= The concentration is an estimated value above the calibration range of the instrument. The value is considered an estimate.

Blue shade indicates detectable concentrations

Bold and yellow shade indicates exceedance of applicable regulatory criteria

ND = Non detect

NE = Not established

APPENDIX A

Previous IRM Reports

"Revised" Proposed Remedial Investigation Work Plan

Crotona Terrace
1825 Boston Road
Bronx, NY 10460
Block 2948 / Lot 46

Applicant:
South Bronx Overall Economic Development Corp
555 Bergen Avenue
Bronx, NY 10455

For Review and Approval:
Brownfields Cleanup Program
City of New York
Mayor's Office of Environmental Remediation
253 Broadway, 14th Floor
New York, NY 10007

Project No. 11TEMP001X

September 2010

EQUITY ENVIRONMENTAL ENGINEERING, LLC
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Table of Contents

1.0 INTRODUCTION

The South Bronx Overall Economic Development Corporation (SoBRO) intends to undertake development of affordable housing at a 49,800 square foot (sf) (1.14 acre) vacant lot located at 1825 Boston Road in the Bronx, New York City (Figure 1).

The site currently bears a Restrictive Declaration (RD) as a condition of the 2010 rezoning of the site by the New York City Planning Commission and the City Council. At the time of the rezoning, it was believed some level of environmental remediation prior to residential redevelopment would be required. The placement of the RD allowed a finding that no significant adverse hazardous materials impact would occur with site development, once the site was investigated and appropriate remedial measures, if any, were put in place prior to occupancy.

In this regard, SoBRO intends to undertake remedial investigation under the oversight of the Mayor's Office of Environmental Remediation (MOER), and then apply for the New York City Brownfield Cleanup Program (NYC BCP) as a "Preferred Community Development" project. ***The submittal of this Revised Remedial Investigation Work Plan (RIWP) is in response to discussions and comments with/from MOER NYC BCP. Revisions to the RIWP will be bold/italicized for expeditious review.***

1.1. Purpose

This RIWP stresses data collection and site characterization to determine the nature and extent of potential site contamination. The Plan focuses on those areas of the site where construction is anticipated ***(i.e., entire property)***, but does not neglect the surrounding area. Employing the resulting data, would allow for proper construction planning and the implementation of appropriate remedial measures, if required. These data would provide a basis for the development of a Construction Health and Safety Plan for the implementation of such remedial measures, thus protecting both site construction and future facility workers.

Performing a thorough remedial investigation will enable the project to undergo the NYC BCP as a Preferred Community Development Project that will bring economic benefit to a distressed part of the Bronx

Going through the NYC BCP process, beginning at the investigation stage, will deliver a high-quality, comprehensive cleanup and increase the overall safety and viability of the area

1.2. Site Location and Description

The proposed project site is located within the Crotona Park section of the Borough of the Bronx, at 1825 Boston Road, Bronx, NY 10460 Identified on the New York City tax map as Block 2984 / Lot 46. The site is bounded by Boston Road, East 175th Street, Crotona Parkway, and East 176th Street, within the boundaries of Bronx Community Board #3. The

site has been vacant since 1989, and formerly housed a transit rail car and bus maintenance and repair facility.

The surrounding area (Figure 2) consists of residential, commercial, and manufacturing uses, as well as vacant properties. The site lies across Crotona Parkway from Crotona Park, a large regional NYC Department of Park facility to the west, and to the south of the Cross Bronx Expressway (I-95).

Based on a May 2005 Phase I Environmental Site Assessment prepared by AKRF, Inc., the following areas of concern (AOCs) were identified:

- Based on State records and a review of previous investigations performed by URS Consultants, Inc. (URS) for the subject property in the early 1990s, a 10,000-gallon fuel oil underground storage tank and two 5,000-gallon diesel underground storage tanks were ***(reportedly)*** identified at the subject site. Free product was discovered in a monitoring well installed at the site, which was assumed to have been released from these tanks. A product recovery and groundwater monitoring program conducted from 1996 to 1998 indicated that measurable free product previously discovered at the site was reduced to non-detectable levels. A geophysical investigation and test pit program was conducted by URS on behalf of SoBRO, which identified that no tanks remained on the subject site, suggesting that they had been removed. ***The URS geophysical investigation and test pit report was not available for review.***

- Historic Sanborn maps indicated that the subject property was developed sometime between 1896 and 1901 and operated as a transit rail car and bus maintenance and repair facility until at least 1989. Petroleum products and solvents were likely used as part of the on-site maintenance activities, which have the potential to have affected the subject property.

- Histric fill of unknown origin is likely present underlying the site.

- Debris and trash were observed throughout the site, including plastic and glass bottles, paper, wood, tires, concrete blocks, plastic crates, and metal cans.

- Facilities located on the south-adjacent block included a portion of the former train car and bus repair and maintenance facility (no longer present) and a gasoline station (presently abandoned). These properties are located in a presumed upgradient groundwater flow direction. ***The former gas station (1800 Southern Blvd) is currently within the NYS BCP remedial action program.***

- In addition, the regulatory databases and historical land-use atlases indicated that the surrounding neighborhood has an approximately 80-year history of residential, commercial, and industrial development. These surrounding properties have the potential

to have affected local groundwater quality, which may have migrated to the subject site. However, a Phase II investigation was performed by AKRF in 2003 for the south-adjacent block, which included the collection of groundwater samples along East 175th Street, upgradient of the subject property. Petroleum hydrocarbon concentrations detected in the groundwater samples from these areas were below the most stringent regulatory standards (drinking water standards).

- A Phase II Investigation undertaken by Ethan Eldon in 2003, found petroleum hydrocarbon concentrations detected in the site's groundwater were below the most stringent regulatory standards. This was also reported in the AKRF Phase I noted above.

1.3. Site Geology, Hydrogeology, and Topography

The bedrock underlying the project site is mapped as the Manhattan Schist, composed of coarsely crystalline mica schist that has been severely crumpled and folded and shows a marked foliation. The bedrock surface in eastern Bronx is near the surface in the vicinity of the subject site, and bedrock outcrops can be found within several miles of the subject property.

The surface topography at the subject property is sloped to the west, though the general area tends to slope downward towards the east and northeast. The property is situated at an elevation of approximately 60 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level), according to the U.S. Geological Survey Central Park Quadrangle topographic map. Based on local topography, groundwater beneath the subject property most likely flows in a northeasterly direction towards the Bronx River, located approximately ½ mile east of the project site.

In the AKRF study, groundwater at the site was noted to be at a depth of approximately eight to ten feet below surface grade. This report noted that actual groundwater flow beneath the site can be affected by many factors, including past filling activities, underground utilities and other subsurface openings or obstructions such as basements, bedrock geology, and other factors, including the proximity of the trench of the Cross Bronx Expressway.

A geotechnical study undertaken by Approved Testing Laboratories Inc (ATL) in December 2007. They advanced 22 borings to determine the site geological conditions regarding the design of the proposed building's foundations. No "environmental" samples were collected for hazardous materials. Ground water was encountered at only one of the 22 locations sampled, at a depth of 21 feet below ground surface.

1.4. Proposed Future Site Development

As noted above, the subject property is current vacant and is proposed for redevelopment as a mixed-use residential, community facility, and street level retail project (Figure 3). When completed, the Site will have approximately:

- 185,256 sf of residential development (approximately 175 dwelling units in 7 stories)
- 29,629 sf of commercial / retail floor area on the ground floor
- 1,700 sf of community facility space
- 100 accessory parking spaces on the ground floor and in the cellar

1.5. Previous Environmental Reports

- AKRF Phase I Environmental Site Assessment, May 2005
- URS Consultants, Remedial Investigation Report–West Farms Depot Site February 1993.
- Ethan Eldon, Phase II Investigation Workplan and HASP, April 2007
- Equity Environmental Engineering, December 2009, Crotona Terrace / 1825 Boston Road Environmental Assessment Statement (08DCP054X)
- Approved Testing Laboratories, December 2007. SPT – Boring Soil Exploration and Foundation Recommendations

2.0 SITE INVESTIGATION

2.1 Investigation Objective

This Remedial Investigation Work Plan (RIWP) stresses data collection and site characterization to determine the nature and extent of potential site contamination. The Plan focuses on those areas of the site where construction is anticipated, but does not neglect the surrounding area. Employing the resulting data, would allow for proper construction planning and the implementation of appropriate remedial measures, if required. These data would provide a basis for the development of a Construction Health and Safety Plan for the implementation of such remedial measures, thus protecting both site construction and future facility workers.

2.2 Overview of Investigation Services

To accomplish the projects objectives, Equity will employ a variety of techniques and methodologies. These will include:

- Ground Penetrating Radar / Magnetometer surveys
- Advancement of soil borings for the collection of soil samples from various depths below ground surface
- Installation of temporary and permanent groundwater monitoring wells
- Installation of temporary soil gas monitoring locations

2.3 Site Preparation Services

Prior to any fieldwork and during field events to assure the validity and reliability of the

data /samples collected, the following tasks will be undertaken:

2.3.1 Utility Markout

Prior to the onset of drilling, the drilling subcontractor will place a One-Call Utility Survey Request to have the local utility companies' mark out existing utilities on and entering the subject property.

2.3.2 Equipment Calibration

Prior to any field event, all field equipment to be employed will be serviced and calibrated per the manufacturer's specifications. A maintenance / calibration log will be assigned to each such device. During field events, equipment will be calibrated per the manufacturer's requirements / recommendations. Such information will also be recorded in an appropriate logbook or journal.

2.3.3 Subcontractor Coordination

The project manager or designate will coordinate the engagement of all subcontractors, assuring that they have the request experience, training, and insurance, as well as a complete understanding of their assignment during their engagement on the project.

2.3.4 Health & Safety Plan

The Construction Health and Safety Plan (HASP) to implement this RIWP can be found in Appendix 2.

2.4 Proposed Investigative Services

2.4.1 Geophysical Survey

Prior to the start of any intrusive subsurface investigation, a geophysical survey using magnetometry and ground-penetrating radar (GPR) will be performed ***across the entire site***. The geophysical subcontractor will conduct the survey to determine if there are any USTs and/or buried utilities, foundations, or other magnetic anomalies onsite. If any USTs are identified during the survey, a separate protocol if necessary will be prepared to address the closure and removal of the tank(s) in accordance with all applicable New York State Department of Environmental Conservation (NYSDEC) regulations.

2.4.2 Soil Boring Installation

Twelve (12) soil borings will be installed across the site (Figure 4). Six (6) soil borings will be advanced to 24 feet below ground surface (bgs) and six (6) soil borings will be advanced to 44 feet bgs (to meet the CEQR requirement of minimum of 30 feet beyond the proposed footing depth [i.e., 14 feet]). Borings will be advanced to the proposed depths or refusal to bedrock. In the case of the 24 feet bgs soil borings; if bedrock is encountered or the soil to groundwater interface. This provides coverage of greater than 10.5 borings per acres. Five (5) of the 44 feet bgs soil borings will be converted into temporary well points and discussed in detail in section 2.4.3 below.

All soil borings will be installed using direct-push drilling technology. Samples will be continuously retrieved from the boring using dedicated 2-inch diameter, 5-foot long macro-core tubes with disposable acetate liners. The soil lithology, color, moisture content, and presence of staining or odors will be described and classified. The borings will be screened using visual and olfactory senses as well as using a photo-ionization detector (PID).

Two (2) soil samples will be collected from each soil boring location. The first soil sample will be collected from the 0 to 2-inch interval bgs (surface) and the second soil sample will be collected from the soil to groundwater interface or area exhibiting the highest degree of staining, odors or PID reading.

All soil samples will be analyzed for the following suite of parameters:

- Volatile Organic Compounds (VOCs) by USEPA method 8260
- Semivolatile Organic Compounds (SVOCs) by USEPA method 8270
- Pesticides by USEPA method 8081
- Polychlorinated Biphenyls (PCBs) by USEPA method 8082
- Target Analyte List Metals (TAL Metals)

Waste Characterization: ***Soil samples will be collected from the soil borings for the purpose of conducting in-place soil disposal waste classification for the site. These waste-classification soil samples will be used to aid in the determination of soil transportation and disposal costs.***

2.4.3 Temporary Well Point/Monitoring Well Installation

Five (5) of the above 44 feet bgs soil boring locations will have temporary well points (TWPs) installed for the purpose of groundwater evaluation. Three of the

TWPs will be converted to permanent groundwater monitoring wells for groundwater quality and flow determination.

The monitoring wells will be installed using Hollow Stem Auger (HSA) drilling techniques. During the installation, a PID will be used to screen soil cuttings for indications of contamination. In addition, field observations included the color, composition, and presence of visible contamination and/or odors will be noted. Upon attaining the selected depth, 2-inch PVC well material will be lowered into the borehole through the HSA flights. A gravel pack of No. 1 sand will be introduced within the annular space starting at the bottom of the borehole and extending to a maximum of two-feet above the well screen. A grout-slurry will be added into the remainder of the annular space. A steel flush mount cover and locking mechanism will be set into the cement slurry. The well will be completed with a watertight flange cover and well lock. The well will be developed until a turbid-free discharge is obtained.

Groundwater samples will be collected from the three (3) monitoring wells and analyzed for the following suite of parameters:

- Volatile Organic Compounds (VOCs) by USEPA method 8260
- Semivolatile Organic Compounds (SVOCs) by USEPA method 8270
- Pesticides by USEPA method 8081
- Polychlorinated Biphenyls (PCBs) by USEPA method 8082
- Target Analyte List Metals (TAL Metals) both filtered and unfiltered

2.4.4 Quality Assurance/Quality Control

Quality Assurance/Quality Control procedures will be implemented to guarantee the integrity of the samples and the scientific data. Sampling equipment used will be either disposable single use items or decontaminated between uses with a mixture of Alconox detergent and water. The PID will be calibrated prior to use with 100 parts per million of Isobutylene gas in accordance with the manufacturer's operation manual. All Samples will be collected in laboratory prepared glassware and preserved in accordance with NYSDEC Sampling Guidelines and Protocols.

Soil samples will be collected in 8-ounce wide mouth glass jars with Teflon liners and preserved with ice to maintain a temperature of 4 degrees Celsius. Groundwater samples will be collected in 40-ml glass vials with Teflon liners preserved with Hydrochloric Acid (for VOCs), 1-liter unpreserved glass amber bottles with Teflon liners (for SVOCs, PCBs, Pesticides), and 1-liter polyethylene bottles with polyethylene liners preserved with Nitric Acid (for filtered TAL Metals), which will all also be preserved with ice to maintain a temperature of 4 degrees Celsius.

Both soil and groundwater samples will be delivered under chain of custody procedures to an accredited laboratory.

Per NYSDEC DER-10 Technical Guidance Document (May 2010), groundwater QA/QC samples will consist of one (1) duplicate, one (1) field blank and one (1) trip blank (for VOCs only). QA/QC samples for soil will consist of one (1) duplicate and one (1) field blank.

Laboratory analytical results of the soil samples will be compared to NYSDEC Part 375 Soil Cleanup Objectives (SCO) regulatory standards and groundwater samples will be compared to NYSDEC TOGS class GA groundwater quality standards. The laboratory report will be included in a Remedial Investigation Report (RIR) for review.

Soil boring logs indicating soil lithology, soil recovery, PID readings, and depth to groundwater, will be maintained and submitted in the RIR for review.

The boreholes, upon their completion, will be backfilled with soil cuttings.

2.4.5 Groundwater Flow and Direction Determination

The newly installed monitoring wells will be surveyed by a New York-licensed surveyor for elevation, vertical coordinates relative to the North American Vertical Datum of 1988 (NAVD 88) and horizontal elevation relative to the North American Datum of 1983 (NAD 83) and New York State Plane Coordinates. Copies of the soil boring/well logs will be included in the RIR. This data will be used to construct a groundwater contour interval map for determination of groundwater flow direction.

2.4.6 Soil Vapor

Six soil vapor collection points will be installed at the property's lot lines. Soil vapor points will be advanced to 24 feet (or just above the soil to groundwater interface) and soil vapor samples collected in a laboratory supplied, summa canister. Isopropyl alcohol will be used as a tracer for the soil vapor sampler. The soil vapor samples will be analyzed for Total Organic Compounds (TO+15).

2.4.7 Waste Disposal

Waste derived from the investigation's soil boring program will be backfilled into the boreholes. Any remaining material will be containerized in appropriate disposal containers. These containers will be staged in a secure area on site and characterized. Following completion of onsite activities, disposal of soil cutting, if

any, will be done employing an appropriately licensed transporter and disposal site.

3.0 REPORTING

Following the completion of all field activities and receipt of all analytical data, and manifests, a Remedial Investigation Report (RIR) will be prepared, for review and approval by the New York City Office of Environmental Remediation (OER). The RIR will provide conclusions and recommendations, based on an evaluation and interpretation of the data collected during the remedial investigation. RIWP field and analytical data will be summarized and compared to the New York State Department of Environmental Conservation's (DEC) Subpart 375 Soil Cleanup Objectives.

If the investigative findings of the RIWP reveal impacted soil, groundwater, or a soil gas issue at the site, a detailed Remedial Action Work Plan (RAWP) and an updated Construction Health and Safety Plan will be included as a part of the RIR.

4.0 PROJECT SCHEDULE

Equity will begin implementing the scope of work immediately upon OER approval of this work plan. The anticipated schedule is:

- The field investigation would start as soon as a driller could be engaged and will be completed in three to four days, depending on site access and weather
- Sample analyses would be completed in three weeks
- Report preparation would take from five to seven days.

The RIR would be available in about 4 to 5 weeks from the start of fieldwork.

When the schedule has been formalized, the OER staff will be notified of the sampling start date and invited to attend the site kick-off meeting.

APPENDIX 1

1. Site Location Map
2. Surrounding Land Use Map
3. Proposed Site Plan
4. Proposed Soil Boring, Soil Vapor, and Well Point Locations

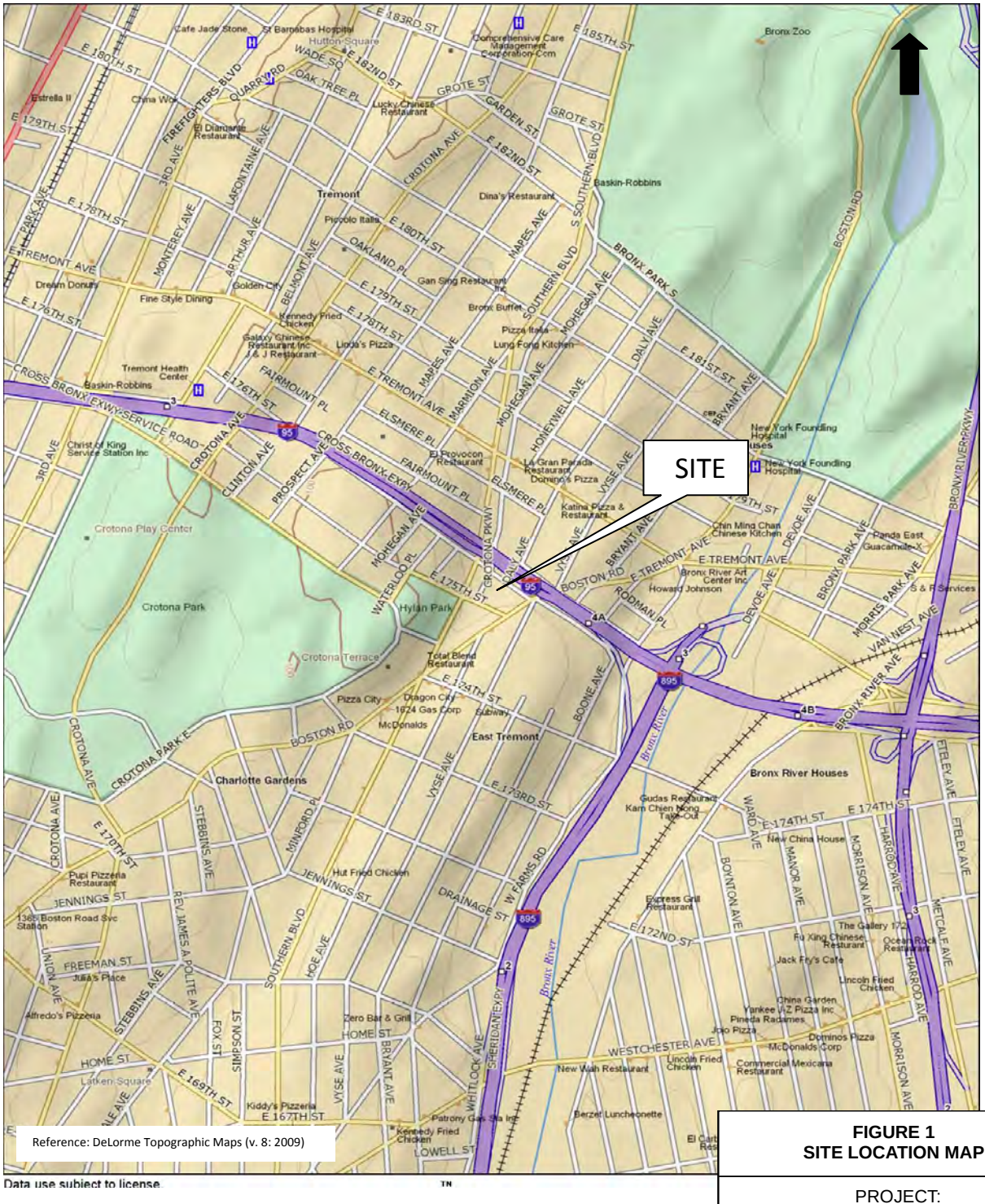

FIGURE 1
SITE LOCATION MAP

PROJECT:
CROTONA TERRACE DEVELOPMENT
1825 BOSTON ROAD
BRONX, NY 10460
BLOCK 2548 / LOT 46

OWNER:
SOUTH BRONX OVERALL
DEVELOPMENT CORP.
555 BERGEN AVE
BRONX, NY 10455

QUALIFIED ENVIRONMENTAL PROFESSIONAL:

Equity Environmental Engineering LLC
4 Gold Mine Road, Flanders, NJ 07836
Phone: 973-527-7451 Fax: 973-858-0280

DRAWN BY/ DATE	CHK/DATE	DRAWING NUMBER
TAF/08-13-10		2010020

Legend

- Subject Property
- Day Care Centers
- Elementary Schools
- High Schools
- K12 Schools
- Middle Schools
- Vacant
- Parks & Playgrounds
- Institution
- Parking & Transportation
- Industrial
- Commercial
- Mixed Use
- Multi-Family Residential
- 1 & 2 Family Residential

FIGURE 2
LAND USE MAP

PROJECT:
CROTONA TERRACE DEVELOPMENT
1825 BOSTON ROAD
BRONX, NY 10460
BLOCK 2548 / LOT 46

OWNER:
SOUTH BRONX OVERALL
DEVELOPMENT CORP.
555 BERGEN AVE
BRONX, NY 10455

QUALIFIED ENVIRONMENTAL PROFESSIONAL:

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4 Gold Mine Road, Flanders, NJ 07836
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DRAWN BY/ DATE	CHK/DATE	DRAWING NUMBER
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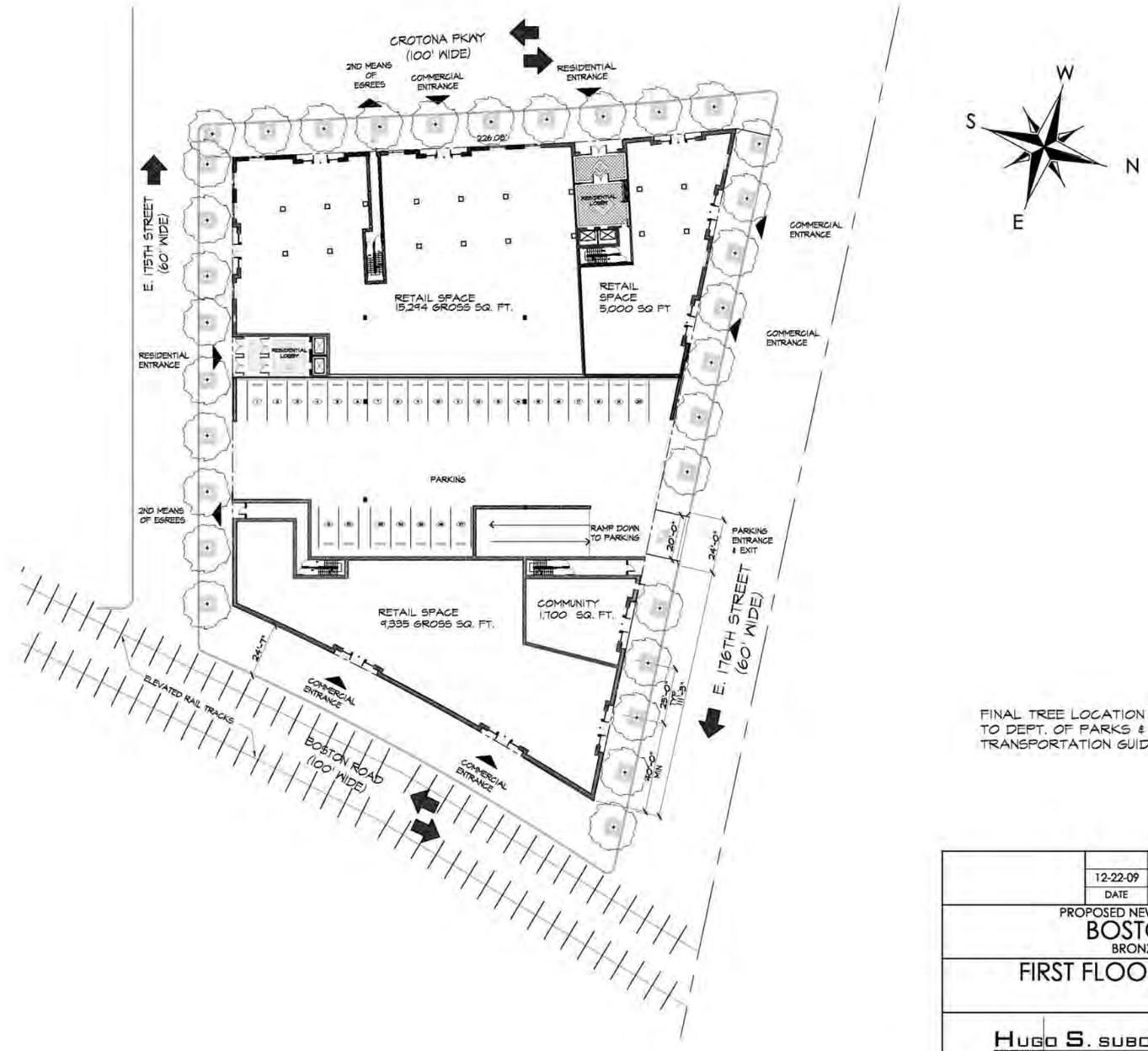

FINAL TREE LOCATION TO BE DETERMINED ACCORDING TO DEPT. OF PARKS & RECREATION AND DEPT. OF TRANSPORTATION GUIDELINES

DATE	REVISIONS
12-22-09	REVISED AS PER CITY PLANNING COMMENTS

PROPOSED NEW DEVELOPMENT FOR:
BOSTON ROAD
BRONX, NEW YORK

FIRST FLOOR PLAN

date 9/18/08
scale 1/32"=1'-0"
file no. 0515
drawn by MAC
dwg. no. A-3

HUGO S. SUBOTOVSKY AIA architects LLC
49 N. AIRMONT ROAD, SUFFERN, NY 10901 TEL: 845-368-0004 FAX: 845-368-0005
121WEST 27TH STREET, NEW YORK,NY 10001 TEL: 212-242-5321 FAX: 800-772-8304

FIGURE 3
SITE PLAN

PROJECT:
CROTONA TERRACE DEVELOPMENT
1825 BOSTON ROAD
BRONX, NY 10460
BLOCK 2548 / LOT 46

OWNER:
SOUTH BRONX OVERALL DEVELOPMENT CORP.
555 BERGEN AVE
BRONX, NY 10455

QUALIFIED ENVIRONMENTAL PROFESSIONAL:

Equity Environmental Engineering LLC
4 Gold Mine Road, Flanders, NJ 07836
Phone: 973-527-7451 Fax: 973-858-0280

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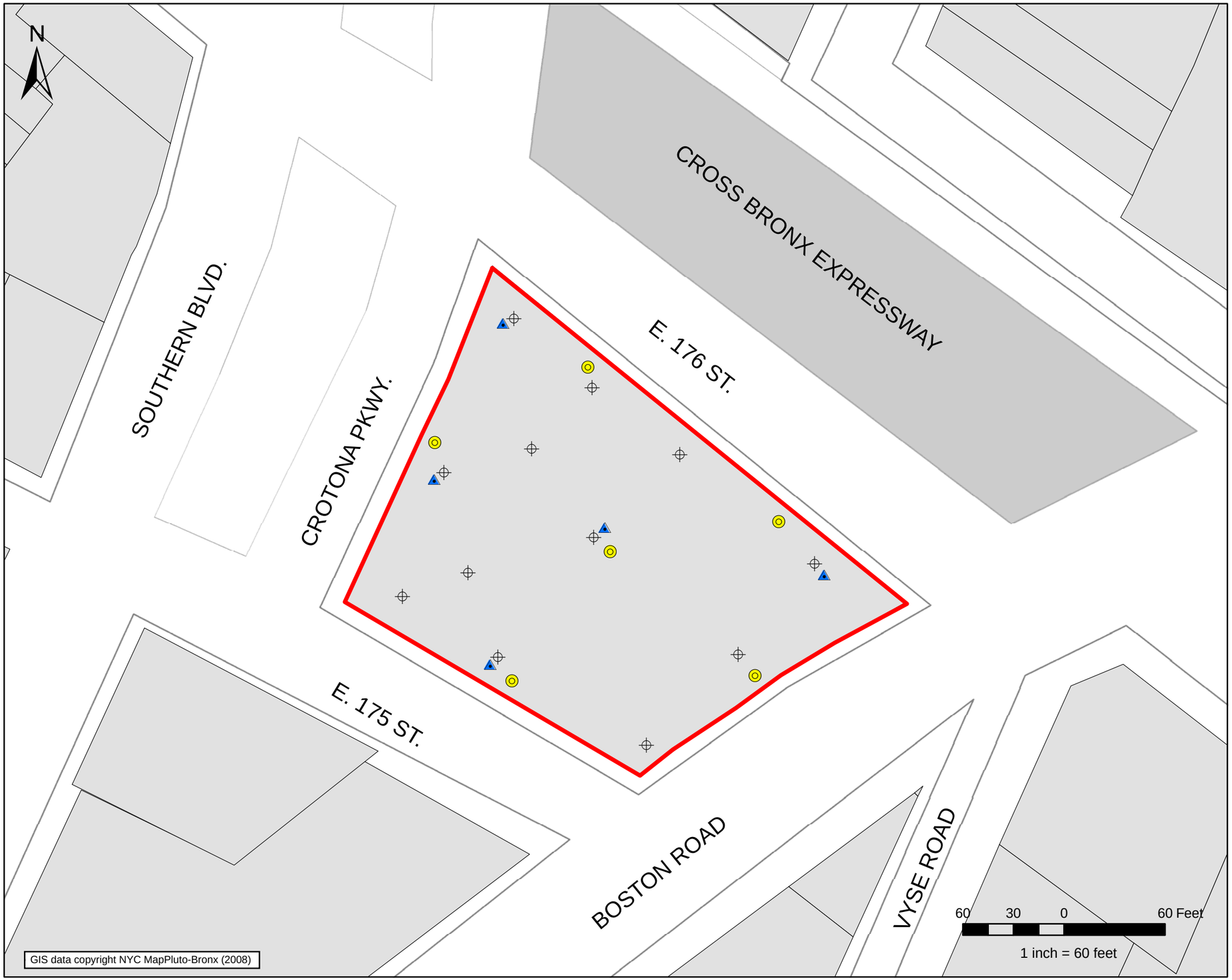

Legend

- Subject Property
- Proposed Soil Gas Point
- Proposed Soil Borings
- Proposed Monitoring Well

FIGURE 4
PROPOSED SOIL BORING
LOCATION MAP

PROJECT:
CROTONA TERRACE DEVELOPMENT
1825 BOSTON ROAD
BRONX, NY 10460
BLOCK 2548 / LOT 46

OWNER:
SOUTH BRONX OVERALL
DEVELOPMENT CORP.
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DRAWN BY/ DATE	CHK/DATE	DRAWING NUMBER
TAF/09-15-10		2010020

APPENDIX B

Health and Safety Plan

Appendix 2: Construction Health and Safety Plan

CONSTRUCTION HEALTH AND SAFETY PLAN

Supporting

Proposed Remedial Investigation Work Plan

For

Crotona Terrace
1825 Boston Road
Bronx, NY 10460

Block 2948 / Lot 46

Prepared for:
South Bronx Overall Economic Development Corporation
555 Bergen Ave., 3rd floor
Bronx, NY 10455

Prepared By:
Equity Environmental Engineering LLC
4 Gold Mine Road
Flanders, New Jersey 07836

August 2010

Reviewed and Approved By:			
	Name	Signature	Date
Project Manager	Mark London		
Health & Safety Officer	Robert Jackson		

TABLE OF CONTENTS

List of Tables

List of Figures

EMERGENCY CONTACTS

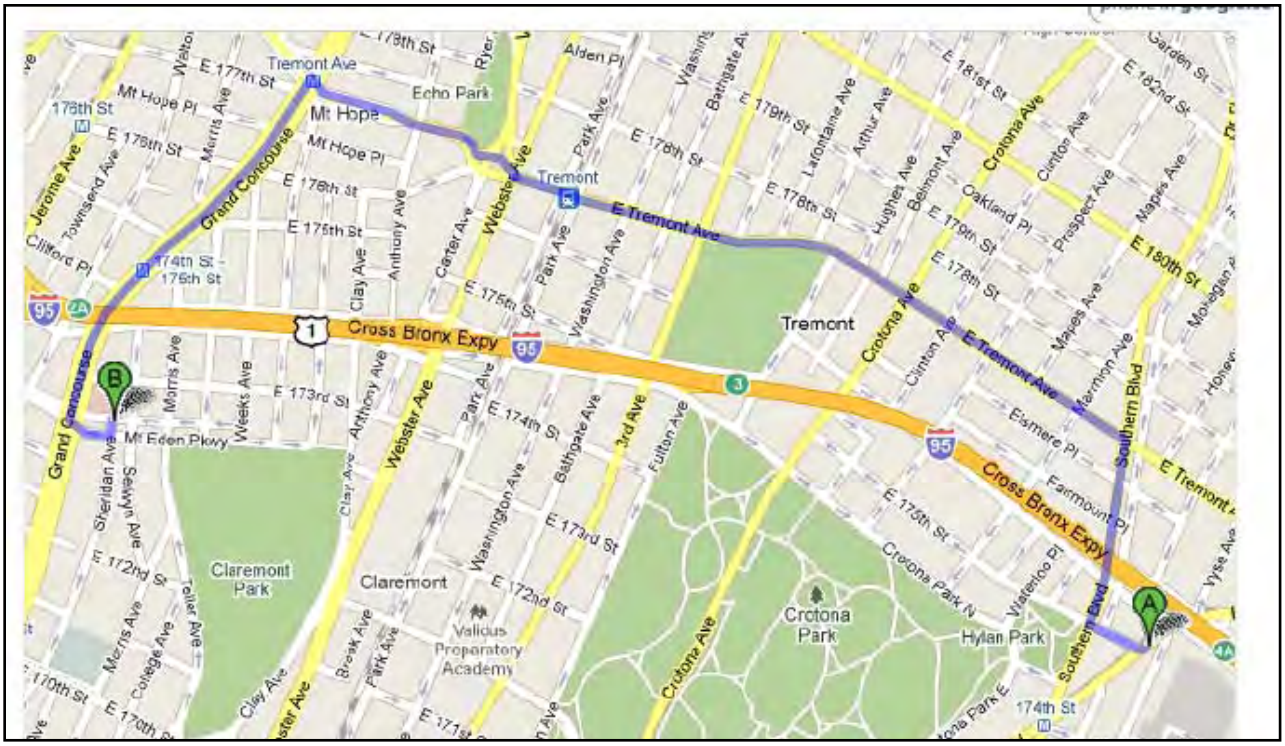
In the event of any situation or unplanned occurrence requiring assistance, the appropriate contact(s) should be made from the list below. For emergency situations, contact should first be made with the site coordinator who will notify emergency personnel who will then contact the appropriate response teams. This emergency contacts list must be in an easily accessible location at the site.

Contingency Contacts	Phone Number
Nearest phone located on-site,	To be determined (site utilities subject to relocation(s))
Fire	911 (Emergencies)
Police	911 (Emergencies)
NY One Call Center (3 working days notice required)	(800)-272-4480
Poison Control Center	(800) 764-7661
Medical Emergency	
Ambulance:	911

The hospital (New York Hospital Medical Center) location is shown on the next page. Travel time from the site to Bronx Lebanon Hospital Center, 1650 Grand Concourse, Bronx, NY 10457, is approximately 2.3 miles away and takes approximately 8 minutes. The Hospital phone number is 718.590.1800.

Figure 1 Hospital Route

Directions to Bronx Lebanon Hospital Center
1650 Grand Concourse, Bronx
718.590.1800



1825 Boston Rd, Bronx, NY 10460

1.	Head **southwest** on **Boston Rd** toward **E 175th St**	go 69 ft total 69 ft
2.	Take the 1st **right** onto **E 175th St**	go 394 ft total 463 ft
3.	Take the 2nd **right** onto **Southern Blvd** About 1 min	go 0.2 mi total 0.3 mi
4.	Turn **left** at the 3rd cross street onto **E Tremont Ave** About 4 mins	go 1.0 mi total 1.4 mi
5.	Slight **right** to stay on **E Tremont Ave**	go 0.1 mi total 1.5 mi
6.	Take the 1st **left** onto **Grand Concourse** About 1 min	go 0.6 mi total 2.1 mi
7.	Turn **left** at **Mt Eden Pkwy**	go 325 ft total 2.1 mi
8.	Turn **left** at **Sheridan Ave**	go 121 ft total 2.2 mi

Bronx Lebanon Hospital Center
1650 Grand Concourse, Bronx, NY 10457 - (718) 590-1800

Contractor Contacts

Project Manager: Mark London	Cell: 201-707-2002 Office: 973-527-7451
Project Scientist : Thomas Francis	Cell: 848-391-5346 Office: 973-527-7451
Office Health & Safety Rep.: Robert Jackson Alternate: Robert Fry	Cell: 973-641-0825 Office: 973-527-7451

Property Contact

Shira Gidding / SoBRO	Office: (718) 732-7532

Table 1-1 Health and Safety Summary Table

Level D

Activities include the following:

- Installation of soil borings, temporary monitoring wells, and soil gas collection points
- Clearing and grading of the site for construction.
- Installation of subsurface utilities and building foundation.
- Soil characterization for offsite soil disposal.

If the level of volatile organic compounds does not exceed 5 ppm. 4-gas monitoring will be conducted during all intrusive activities, safe levels are as follows:

- Carbon Monoxide: 0-35ppm
- LEL: 0-10%
- Oxygen:19.5%-23.5%
- Benzene: 0-5ppm

Level C

If the level of volatile organic compounds exceed 5 ppm; If 4-gas monitoring exceeds 35ppm (CO), LEL: >10%, Oxygen <19.5% or >23.5%, Benzene: >5ppm.

Organic Vapor data will be collected as a precaution utilizing a photo- ionization detector (PID). During the installation of the soil borings and wells, lower explosive limits (LELs) may be present; as a result, monitoring will be conducted around the breathing zone of the workers and in the vicinity of any open boreholes. If LEL limits of 10% or greater are reached, work will be suspended to allow for the borehole to ventilate.

During site activities, dust creation may be expected to be present in significant amounts. If dust creation, as a result of site activities, increases to visible/nuisance levels, a portable aerosol monitor will be (MiniRAM) utilized to collect readings as a precaution.

1. INTRODUCTION

1.1 Purpose and Requirements

The purpose of this safety plan is to establish personnel protection standards and mandatory safety practices and procedures. This plan assigns responsibilities, establishes standard operating procedures, and provides for contingencies that may arise while operations are being conducted at the 1825 Boston Road property.

The provisions of the plan are mandatory for all on-site personnel. Any supplemental plans used by subcontractors shall conform to this plan as a minimum. All personnel who engage in project activities must be familiar with this plan, comply with its requirements, and sign the Plan Acceptance Form (Attachment B), page number B-5, prior to working on the site. The Plan Acceptance Form must be submitted to the construction firm's Health and Safety Officer.

1.2 Site Description

The proposed project site is located within the Crotona Park section of the Borough of the Bronx, at 1825 Boston Road, Bronx, NY 10460 Identified on the New York City tax map as Block 2984 / Lot 46. The site is bounded by Boston Road, East 175th Street, Crotona Parkway, and East 176th Street, within the boundaries of Bronx Community Board #3. The site has been vacant since 1989, and formerly housed a transit rail car and bus maintenance and repair facility.

Figure 2: Site Location Map follows

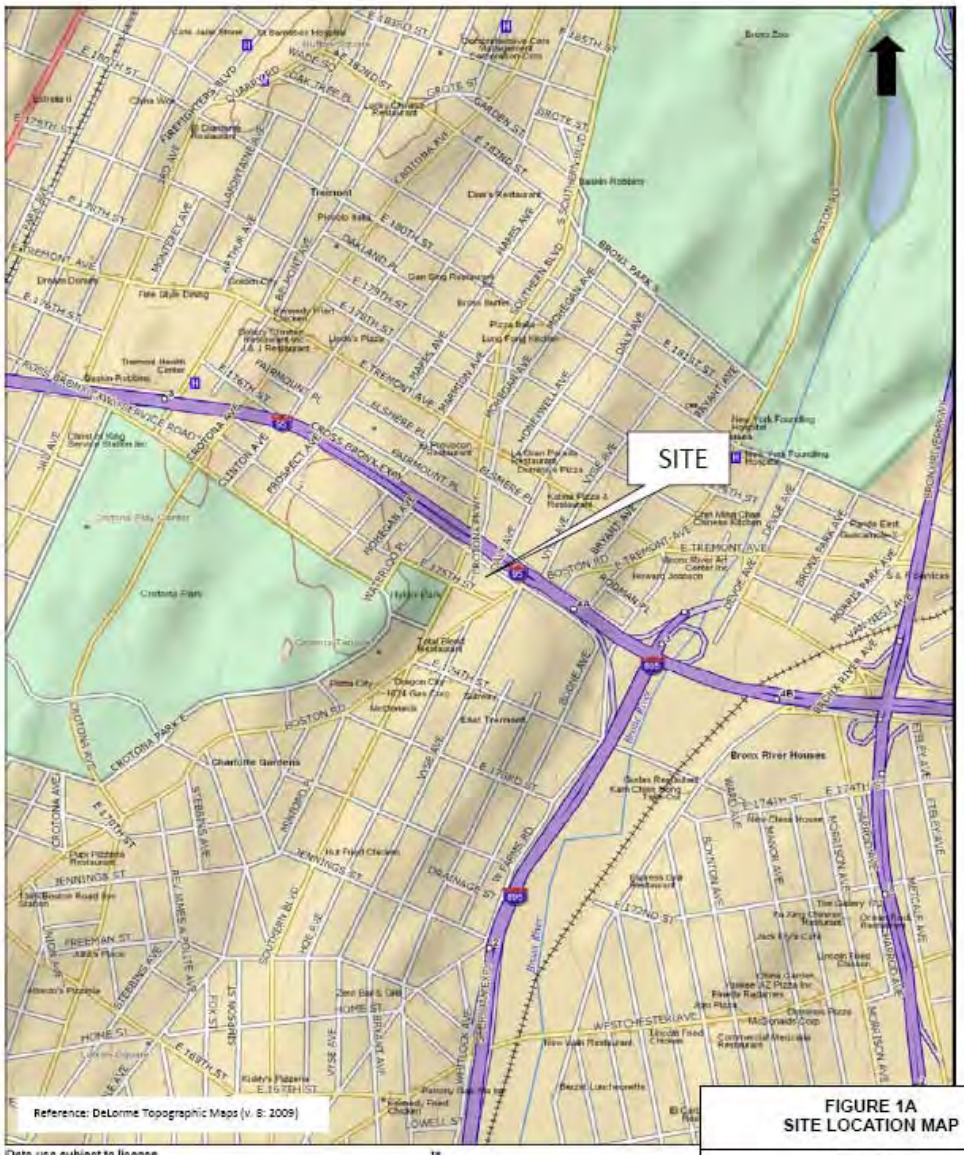


FIGURE 1A
SITE LOCATION MAP

PROJECT:
CROTONA TERRACE DEVELOPMENT
1825 BOSTON ROAD
BRONX, NY 10460
BLOCK 2548 / LOT 46

OWNER:
SOUTH BRONX OVERALL
DEVELOPMENT CORP.
555 BERGEN AVE
BRONX, NY 10455

QUALIFIED ENVIRONMENTAL PROFESSIONAL

Equity Environmental Engineering LLC
4 Gold Mine Road, Flanders, NJ 07836
Phone: 973-527-7451 Fax: 973-556-0280

DRAWN BY/ DATE	CHK/DATE	DRAWING NUMB
TAF/07-28-10		2010020

1.3 Scope of Work

The scope of work includes activities associated with the construction of a new affordable housing project. These activities include the following:

- Clearing and grading of the site for construction.
- Installation of subsurface utilities and building foundation.
- Soil characterization for offsite soil disposal.
- Construction of a below grade parking facility in the cellar of the new building.

1.4 Project Team Organization

Table 1-2 describes the responsibilities of all on-site personnel associated with this project. The names of principal on-site personnel associated with this project are delineated below:

Project Manager: TBD

Field Team Leader: TBD

Site Health and Safety Officer: TBD

All personnel have been appropriately trained in hazardous waste safety procedures including the operating and fitting of personal protective equipment, and are experienced with the types of field operations to be employed at the site.

TABLE 1-2
ON-SITE PERSONNEL
AND RESPONSIBILITIES

PROJECT MANAGER - Reports to upper-level management, has authority to direct response operations, and assumes total control over site activities.

Responsibilities:

- Prepares and organizes the background review of the situation, the Work Plan, the Health and Safety Plan, and the field team.
- Obtains permission for site access and coordinates activities with appropriate officials.
- Ensures that the Work Plan is completed and on schedule.
- Briefs the field teams on their specific assignments.
- Uses the Site Health and Safety Officer to ensure that health and safety requirements are met.
- Prepares the final report and support files on the response activities.
- Serves as the liaison with public officials.

SITE HEALTH AND SAFETY OFFICER - Advises the Project Manager on all aspects of health and safety on site and stops work if any operation threatens worker or public health or safety.

Responsibilities:

- Periodically inspects protective clothing and equipment.
- Ensures that protective clothing and equipment are properly stored and maintained.
- Controls entry and exit at the Access Control Points.
- Coordinates health and safety program activities with the Office Health and Safety Representative.
- Confirms each team member's suitability for work based on a physician's recommendation.
- Monitors the work parties for signs of stress, such as cold exposure, heat stress, and fatigue.
- Implements the Health and Safety Plan.
- Conducts periodic inspections to determine if the Health and Safety Plan is being followed.
- Enforces the "buddy" system.

TABLE 1-2 (CONTINUED)

ON-SITE PERSONNEL AND RESPONSIBILITIES

- Knows emergency procedures, evacuation routes, and the telephone numbers of the ambulance, local hospital, poison control center, fire department, and police department.
- Notifies, when necessary, local public emergency officials.
- Coordinates emergency medical care.
- Sets up decontamination lines and the decontamination solutions appropriate for the type of chemical contamination on the site.
- Controls the decontamination of all equipment, personnel, and samples from the contaminated areas.
- Assures proper disposal of contaminated clothing and materials.
- Ensures that all required equipment is available.
- Advises medical personnel of potential exposures and consequences.
- Notifies emergency response personnel by telephone or radio in the event of an emergency.

FIELD TEAM LEADER - Responsible for field team operations and safety.

Responsibilities:

- Manages field operations.
- Executes the Work Plan and schedule.
- Enforces safety procedures.
- Coordinates with the Site Health and Safety Officer in determining the personal protection level.
- Enforces site control.
- Documents field activities and sample collection.
- Serves as a liaison with public officials.

WORK TEAM – Drilling contractors. The work party must consist of at least two people.

Responsibilities:

- Safely completes the on-site tasks required to fulfill the Work Plan.
- Complies with the Health and Safety Plan.
- Notifies Site Health and Safety Officer or supervisor of suspected unsafe conditions.

2. RISK ANALYSIS

2.1 Chemical Hazards

Several contaminants (Semi-Volatile Organic Compounds, Volatile Organic Compounds) have been identified onsite that may be encountered during various field tasks at the subject property. Potential contaminants and their relevant properties are shown in Table 2-1. Material safety data sheets (MSDS) for these contaminants have been included in this HASP.

2.2 Physical Hazards

2.2.1 Heat Stress

The use of Level C protective equipment, or greater, may create heat stress. Monitoring of personnel wearing personal protective clothing should commence when the ambient temperature is 72^{O}F or above. Table 2-2 presents the suggested frequency for such monitoring. Monitoring frequency should increase as ambient temperature increases or as slow recovery rates are observed. Refer to the Table 2-3 below to assist in assessing when the risk for heat related illness is likely. To use this table, the ambient temperature and relative humidity must be obtained (a regional weather report should suffice). Heat stress monitoring should be performed by the Site Health and Safety Officer, who shall be able to recognize symptoms related to heat stress.

To monitor the workers, be familiar with the following heat-related disorders and their symptoms:

- **Prickly Heat** (Heat rash)
  - Painful, itchy red rash. Occurs during sweating, on skin covered by clothing.
- **Heat Cramps**
  - Painful spasm of arm, leg or abdominal muscles, during or after work.
- **Heat Exhaustion**
  - Headache, nausea, dizziness. Cool, clammy, moist skin. Heavy sweating. Weak, fast pulse. Shallow respiration, normal temperature.
- **Heat Fatigue**
  - Weariness, irritability, loss of skill for fine or precision work. Decreased ability to concentrate. No loss of temperature control.

2.1 CONTAMINANTS OF CONCERN
(REFER TO MSDS'S &PROJECT FILES FOR MORE DETAILED CONTAMINANT INFORMATION)

Contaminant	Exposure Limit[b]	IDLH[c]	Symptoms and Effects of Exposure	PIP[d] (eV)
Dibenzo(a,h)anthracene	200MG/CUM	NA	See Coal Tar Derivatives	NA
Bis(2-ethylhexyl)phthalate	5 mg/m^3	NA	Eye, skin, respiratory tract irritation; carcinogen; adverse reproductive effects.	NA
Indeno(1,2,3-cd)pyrene	200MG/CUM	NA	See Coal Tar Derivatives	NA
Benzo(a)anthracene	200MG/CUM	NA	See Coal Tar Derivatives	NA
Benzo(a)pyrene	0.2 mg/m^3	80 mg/m^3	Dermatitis, bronchitis	NA
Benzo(b)fluoranthene	200MG/CUM	NA	See Coal Tar Derivatives	NA
Benzene	10 ppm	500ppm	Irritate skin and eyes. CNS depression (excitement, headache, dizziness, drowsiness, nausea). Respiratory tract irritation	NA
Ethyl Benzene	100 ppm	800ppm	Irritate skin, eyes, mucus membrane, headaches, coma, dermatitis	NA
IsoButylene			The amount of Iso-butylene in this mixture should not present any symptoms of toxicity if this mixture is breathed.	NA
Arsenic	0.01 mg/m^3	5 ppm as Ca	Ulceration of nasal septum, respiratory irritation, dermatitis, gastrointestinal disturbances, peripheral neuropathy, hyperpigmentation	NA

2.1 CONTAMINANTS OF CONCERN (REFER TO MSDS'S &PROJECT FILES FOR MORE DETAILED CONTAMINANT INFORMATION)				
Contaminant	**Exposure Limit[b]**	**IDLH[c]**	**Symptoms and Effects of Exposure**	**PIP[d] (eV)**
Barium	0.5 mg/m^3	50 mg/m^3	Irritates skin, eyes, upper respiratory, skin burns, gastroenteritis, muscle spasms, slow pulse, extrasystoles, hypokalemia	NA
Copper	1 mg/m^3	100 mg/m^3	Eye, nose, pharynx irritant; nasal perforation; metallic taste; dermatitis.	NA
Lead	0.05 mg/m^3	10 mg/m^3	Eye, skin irritation, gastrointestinal irritation with nausea, vomiting and diarrhea, respiratory irritation, CNS, weight loss, lassitude, insomnia, hypotension, anorexia, abdominal discomfort and colic, flu-like symptoms, chest/muscle pain, increased white cell count.	NA

Footnotes:

[a] Specify sample-designation and media: SB (Soil Boring), A (Air), D (Drums), GW (Groundwater), L (Lagoon), TK (Tank), S (Surface Soil), SL (Sludge), SW (Surface Water).
[b] Appropriate value of PEL, REL, or TLV listed.
[c] IDLH = immediately dangerous to life and health (units are the same as specified "Exposure Limit" units for that contaminant); NL = No limit found in reference materials; CA = Potential occupational carcinogen.
[d] PIP = photoionization potential; NA = Not applicable; UK = Unknown.

2.2 Potential Routes of Exposure		
Dermal: Contact with contaminated media. This route of exposure is minimized through proper use of PPE, as specified in Section 4.	**Inhalation:** Vapors and contaminated particulates. This route of exposure is minimized through proper respiratory protection and monitoring, as specified in Sections 4 and 5, respectively.	**Other:** Inadvertent ingestion of contaminated media. This route should not present a concern if good hygiene practices are followed (e.g., wash hands and face before drinking or smoking).

2.3 Suggested Frequency of Physiological Monitoring for Fit and Acclimated workers[A]

Adjusted Temperature[b]	Normal Work Ensemble[c]	Impermeable Ensemble
90°F or above (32.2°C) or above	After each 45 min. of work	After each 15 min. of work
87.5°F (30.8°-32.2°C)	After each 60 min. of work	After each 30 min. of work
82.5°-87.5°F (28.1°-30.8°C)	After each 90 min. of work	After each 60 min. of work
77.5°-82.5°F (25.3°-28.1°C)	After each 120 min. of work	After each 90 min. of work
72.5°-77.5°F (22.5°-25.3°C)	After each 150 min. of work	After each 120 min. of work

- **Heat Syncope** (Heat Collapse)
  - Fainting while standing in a hot environment.
- **Heat Stroke**
  - Headache, nausea, weakness, hot dry skin, fever, rapid strong pulse, rapid deep respirations, loss of consciousness, convulsions, coma. **This is a life threatening condition.**

Do not permit a worker to wear a semi-permeable or impermeable garment when they are showing signs or symptoms of heat-related illness.

To monitor the worker, measure:

- Heart rate. Count the radial pulse during a 30-second period as early as possible in the rest period.
  - If the heart rate exceeds 100 beats per minute at the beginning of the rest period, shorten the next work cycle by one-third and keep the rest period the same.
  - If the heart rate still exceeds 100 beats per minute at the next rest period, shorten the following work cycle by one-third. A worker cannot return to work after a rest period until their heart rate is below 100 beats per minute.
- Oral temperature. Use a clinical thermometer (3 minutes under the tongue) or similar device to measure the oral temperature at the end of the work period (before drinking).
  - If oral temperature exceeds 99.6^{O}F (37.6^{O}C), shorten the next work cycle by one-third without changing the rest period. A worker cannot return to work after a rest period until their oral temperature is below 99.6^{O}F.
  - If oral temperature still exceeds 99.6^{O}F (37.6^{O}C) at the beginning of the next rest period, shorten the following cycle by one-third.
  - Do not permit a worker to wear a semi-permeable or impermeable garment when oral temperature exceeds 100.6^{O}F (38.1^{O}C).

2.2.2 Prevention of Heat Stress

Proper training and preventative measures will aid in averting loss of worker productivity and serious illness. Heat stress prevention is particularly important because once a person suffers from heat stroke or heat exhaustion, that person may be predisposed to additional heat related illness. To avoid heat stress the following steps should be taken:

- Adjust work schedules.
- Mandate work slowdowns as needed.
- Perform work during cooler hours of the day if possible or at night if adequate lighting can be provided.
- Provide shelter (air-conditioned, if possible) or shaded areas to protect personnel during rest periods.
- Maintain worker's body fluids at normal levels. This is necessary to ensure that the cardiovascular system functions adequately. Daily fluid intake must approximately equal the amount of water lost in perspiration, id., eight fluid ounces (0.23 liters) of water must be ingested for approximately every eight ounces (0.23 kg) of weight lost. The normal thirst mechanism is not sensitive

enough to ensure that enough water will be drunk to replace lost perspiration. When heavy sweating occurs, encourage the worker to drink more. The following strategies may be useful:

- Maintain water temperature 50^{O} to 60^{O}F (10^{O} to 16.6^{O}C).
- Provide small disposable cups that hold about four ounces (0.1 liter).
- Have workers drink 16 ounces (0.5 liters) of fluid (preferably water or dilute drinks) before beginning work.
- Urge workers to drink a cup or two every 15 to 20 minutes, or at each monitoring break. A total of 1 to 1.6 gallons (4 to 6 liters) of fluid per day are recommended, but more may be necessary to maintain body weight.
- Train workers to recognize the symptoms of heat related illness.

2.2.3 Cold-Related Illness

If work on this project is conducted in the winter months, thermal injury due to cold exposure can become a problem for field personnel. Systemic cold exposure is referred to as hypothermia. Local cold exposure is generally labeled frostbite.

Hypothermia: Hypothermia is defined as a decrease in the patient core temperature below 96^{O}F. The body temperature is normally maintained by a combination of central (brain and spinal cord) and peripheral (skin and muscle) activity. Interference with any of these mechanisms can result in hypothermia, even in the absence of what normally is considered a "cold" ambient temperature. Symptoms of hypothermia include shivering, apathy, listlessness, sleepiness, and unconsciousness.

Frostbite. Frostbite is both a general and medical term given to areas of local cold injury. Unlike systemic hypothermia, frostbite rarely occurs unless the ambient temperatures are less than freezing and usually less than 20^{O}F. Symptoms of frostbite include a sudden blanching or whitening of the skin; the skin has a waxy or white appearance and is firm to the touch; tissues are cold, pale, and solid.

2.2.4 Prevention of Cold-Related Illness

- Educate workers to recognize the symptoms of frostbite and hypothermia
- Identify and limit known risk factors:
- Assure the availability of enclosed, heated environment on or adjacent to the site.
- Assure the availability of dry changes of clothing.
- Develop the capability for temperature recording at the site.
- Assure the availability of warm drinks.

Monitoring

Start (oral) temperature recording at the job site:

- At the Field Team Leader's discretion when suspicion is based on changes in a worker's performance or mental status.
- At a worker's request.
- As a screening measure, two times per shift, under unusually hazardous conditions (e.g., wind-chill less than 20^{O}F, or wind-chill less than 30^{O}F with precipitation).
- As a screening measure whenever any worker on the site develops hypothermia.

Any person developing moderate hypothermia (a core temperature of 92^{O}F) cannot return to work for 48 hours.

2.3 Hazards Analysis

Refer to Section 6.1.1 for heavy equipment safety requirements. Check with local utilities before conducting any ground invasive procedures. Chemical exposure typically occurs as subsurface soils are brought to the surface. The breathing zone shall be screened with a Mini-RAE or equivalent air monitoring device appropriate for the known, onsite contaminants. If contaminant levels reach action limits as specified in Section 3, upgrades in personal protection will be initiated. Onsite personnel shall start work in Level D PPE, which will include use of hard hats and eye and hearing protection when the equipment is operational.

Employees shall keep clothing dry with adequate rain gear. Use proper personal protective clothing. Inspect equipment to ensure that it is proper working order. All handling of potentially contaminated soils and/or groundwater will begin in Level D with careful monitoring of the sampler's breathing zone using the Mini-Rae as needed. Outer nitrile and inner latex gloves will be included in standard Level D requirements whenever handling samples.

a. For work levels of 250 kilocalories/hour.
b. Calculate the adjusted air temperature (ta adj) by using this equation ta adj = ta °F + (13 x % sunshine). Measure air temperature (ta) with a standard mercury-in-glass thermometer, with the bulb shielded from radiant heat. Estimate percent sunshine by judging what percent time the sun is not covered by clouds that are thick enough to produce a shadow. (100 percent sunshine = no cloud cover and a sharp, distinct shadow; 0 percent sunshine = no shadows.)
c. A normal work ensemble consists of cotton coveralls or other cotton clothing with long sleeves and pants.

3. PERSONNEL PROTECTION AND MONITORING

3.1 Medical Surveillance

Project personal will utilize the services of a licensed occupational health physician with knowledge and/or experience in the hazards associated with the project to provide the medical examinations and surveillance specified herein.

Personnel involved in this operation are to have undergone medical surveillance prior to employment with their employer, and thereafter at 12-month intervals. The 12-month medical examination includes a complete medical and work history and a standard occupational physical. The examination includes: all major organ systems, complete blood count with differential (CBC), and a SMAC/23 blood chemistry screen which includes calcium, phosphorous, glucose, uric acid, BUN, creatinine, albumin, SGPT, SGOT, LDH, globulin, A/G ratio, alkaline phosphatase, total protein, total bilirubin, triglyceride, cholesterol, and a creatinine/BUN ratio. Additionally a pulmonary function test will be performed by trained personnel to record Forced Vital Capacity (FVC) and Forced Expiratory Volume in second ($FEV_{1.0}$). An audiogram and visual acuity measurement, including color perception, is administered. The medical exam is performed under the direction of a licensed Occupational Health Physician. The physician provides a medical certification regarding the fitness or unfitness for employment on hazardous waste projects. This evaluation includes any restrictions that may be indicated for each employee. The evaluation will be repeated as indicated by substandard performance or evidence of particular stress that is evident by injury or time loss illness on the part of any worker.

3.2 Site Specific Training

The Site Health and Safety Officer will be responsible for developing a site specific occupational hazard training program and providing training to all personnel that are to work at the site. This training will consist of the following topics:

- Names of personnel responsible for site safety and health.
- Safety procedures and hazards specific to the site.
- Proper use of personal protective equipment.
- Work practices by which the employee can minimize risk from hazards.
- Safe use of engineering controls and equipment on the site.
- Acute effects of compounds at the site.
- Decontamination procedures.

3.3 Personal Protective Equipment and Action Levels

3.3.1 Conditions for Level D

Level D protection will be worn as required for the investigation. Level D protection will consist of:

- Coveralls
- Safety boots
- Nitrile outer and Latex inner gloves (must be worn during all sampling activities)
- Hard hat (must be worn during drilling activities)
- Safety glasses with side shields (Splash goggles must be worn if a splash hazard is present)
- Hearing protection (must be worn during activities as necessary)

3.3.2 Conditions for Level C

The level of personal protection will be upgraded to Level C if any of the following conditions are met:

For Volatile Organic Compounds:

- If the level of volatile organic compounds exceeds 5 ppm;

For Nonvolatile and Semi volatile Compounds:

- If the level of total dust exceeds 1.7 mg/m^3;

It is possible to directly monitor the concentrations of airborne volatile organic compounds from gasoline, which might be generated as a result of wind erosion of soils. To avoid any potential exposure, workers will wet down the surrounding area with water if work is being conducted in a non-vegetated area or downwind of a non-vegetated area on a windy day. If the site health and safety officer or any member of the field team does not feel that these measures are sufficient, then workers may don a full-face air-purifying respirator equipped with HEPA cartridges.

As this site is located in a densely populated and heavily trafficked area, the breathing zone along the street must be conducted to ensure pedestrian safety during construction. If an upgrade from Level D to Level C is required, additional air monitoring along Pacific Street will be required.

Equipment Required For Level C

Level C protection will consist of:

- Full-face air-purifying respirator
- Combination dust/organic vapor cartridges
- Tyvek overall suit
- Nitrile outer and latex inner gloves
- Safety boots
- Hard hat (must be worn during excavation activities)

3.3.3 Conditions for Level B or Retreat

The level of personal protection will be upgraded to Level B or personnel shall retreat to an upwind location if any of the following conditions are met. If the concentrations of volatile organics, which can be detected with a Photo Ionization Detector (PID), equal or exceed 25 ppm (based on the presence of methylene chloride). Additional air monitoring in the exclusion zone as well as along Pacific Street will be required if there is an upgrade from Level C to Level B. The NYCDEP should also be notified of the upgrade and additional monitoring plans. Work will not be done at Level A at the subject property.

Equipment Required For Level B

Level B protection will consist of:

- Airline or SCBA respirator with Grade D breathing air
- Poly-coated Tyvek□ overall suit
- 5-minute escape SCBA (with airline only)
- Nitrile outer and latex inner gloves, taped at cuffs
- Safety boots
- Hard hat

OSHA Requirements for Personal Protective Equipment

All personal protective equipment used during the course of this field investigation must meet the following OSHA standards:

Type of Protection	Regulation	Source
Eye and Face	29 CFR 1910.133 29 CFR 1926.102	ANSI Z87.1-1968
Respiratory	29 CFR 1910.134 29 CFR 1926.103	ANSI Z88.1-1980
Head	29 CFR 1910.135 29 CFR 1926.100	ANSI Z89.1-1969
Foot	29 CFR 1910.136 29 CFR 1926.96	ANSI Z41.1-1967

ANSI = American National Standards Institute

Both the respirator and cartridges specified for use in Level C protection must be fit-tested prior to use in accordance with OSHA regulations (29 CFR 1910.1025; 29 CFR 1910.134).

Air purifying respirators cannot be worn under the following conditions:

- Oxygen deficiency
- IDLH concentrations
- High relative humidity
- If contaminant levels exceed designated use concentrations.

3.4 Monitoring Requirements

Monitoring for organic vapors in the breathing zone will be conducted with a photo- ionization detector (PID). Monitoring for explosive conditions will be conducted with a four-gas meter. Readings will be taken continuously while investigating contaminated soils. Readings will be conducted upwind and downwind of excavation activities at least once per hour on the site in order to monitor for the release of airborne contaminants from the exclusion zone. If downwind levels of organic vapors or explosive conditions exceed upwind levels by more than the amount indicated in Table 1-1, steps will be taken to upgrade the level of PPE or reduce the concentrations. This may include, but not be limited to suspending work.

4. WORK ZONES AND DECONTAMINATION

4.1 Site Work Zones

To reduce the spread of hazardous materials by workers from potentially contaminated areas to the clean areas, zones will be delineated at the site. The flow of personnel between the zones will be controlled. The establishment of the work zones will help ensure that: personnel are properly protected against the hazards present where they are working, work activities and contamination are confined to the appropriate areas, and personnel can be located and evacuated in an emergency.

4.1.1 Exclusion Zone

Exclusion zones will be established at the site for all activities; unprotected onlookers should be located at the property boundary and upwind of excavation activities. In the event that volatile organics are detected in the breathing zone as discussed in Section 3, all personnel within the exclusion zone must don Level C protection. Exclusion zones will also be established during any activity when Level C protection is established as a result of conditions discussed in Section 3.

All personnel within the exclusion zone will be required to use the specified level of protection. No eating, drinking, or smoking will be allowed in the exclusion or decontamination zones.

4.1.2 Decontamination Zone

Should it be necessary to establish an exclusion zone, the decontamination zone will be utilized. This zone will be established between the exclusion zone and the support zone, and will include the personnel and equipment necessary for decontamination of equipment and personnel (discussed below). Personnel and equipment in the exclusion zone must pass through this zone before entering the support zone. This zone should always be located upwind of the exclusion zone.

4.1.3 Support Zone

The support zone will include the remaining areas of the job site. Break areas, operational direction and support facilities (to include supplies, equipment storage and maintenance areas) will be located in this area. No equipment or personnel will be permitted to enter the support zone from the exclusion zone without passing through the personnel or equipment decontamination station. Eating, smoking, and drinking will be allowed only in this area.

4.2 Decontamination

Due to the low level of contaminants expected, any water used in decontamination procedures will be disposed of on-site.

4.2.1 Decontamination of Personnel

Decontamination will not be necessary if only Level D protection is used. However, disposable gloves used during sampling activities should be removed and bagged; personnel should be encouraged to remove clothing and shower as soon as is practicable at the end of the day. All clothing should be machine-washed. All personnel will wash hands and face prior to eating and before and after using the restroom.

Decontamination will be necessary if Level C protection is used. The following OSHA-specified procedures include steps necessary for complete decontamination prior to entry into the support zone, and steps necessary if a worker only needs to change a respirator or respirator canister.

The site health and safety officer can modify the twelve-station decontamination process, dependent upon the extent of contamination.

Station 1: Segregated Equipment Drop

Deposit equipment used on the site (tools, sampling devices and containers, monitoring instruments, clipboards, etc.) on plastic drop cloths or in different containers with plastic liners. Each will be contaminated to a different degree. Segregation at the drop reduces the possibility of cross-contamination.

Station 2: Suit/Safety Boot and Outer-Glove Wash

Thoroughly wash chemically resistant suit, safety boots and outer gloves. Scrub with long-handle, soft-bristle scrub brush and copious amounts of Alconox/water solution.

Necessary equipment includes:

1. Wash tub (30 gallon or large enough for person to stand in)
2. Alconox/water solution
3. Long-handle soft-bristle scrub brushes

Station 3: Suit/Safety Boot and Outer-Glove Rinse

Rinse off Alconox/water solution using copious amounts of water. Repeat as many times as necessary.

Necessary equipment includes:

1. Wash tub (30 gallon or large enough for person to stand in)

2. Spray unit
3. Water
4. Long-handle, soft-bristle scrub brushes

Station 4: Outer Gloves Removal

Remove the outer gloves and deposit in individually marked plastic bags.

Necessary equipment includes:

1. Plastic bag

Station 5: Canister or Mask Change

If a worker leaves the exclusion zone to change a canister (or mask), this is the last step in the decontamination procedures. The worker's canister is exchanged, new outer glove donned, and joints taped. Worker returns to duty. Otherwise, the worker proceeds to Station 6.

Necessary equipment includes:

1. Canister (or mask)
2. Tape
3. Gloves

Station 6: Removal of Chemically Resistant Suit

With assistance of helper, remove suit. Deposit in container with plastic liner.

Necessary equipment includes:

1. Container with plastic liner

Station 7: Inner-Glove Wash

Wash inner gloves with Alconox/water solution that will not harm skin. Repeat as many times as necessary.

Necessary equipment includes:

1. Alconox/water solution
2. Wash tub
3. Long-handle, soft-bristle brushes

Station 8: Inner-Glove Rinse

Rinse inner gloves with water. Repeat as many times as necessary.

Necessary equipment includes:

1. Water
2. Wash tub

Station 9: Respirator Removal

Remove face-piece. Avoid touching face. Wash respirator in clean, sanitized solution, allow to dry and deposit face-piece in plastic bag. Store in clean area.

Necessary equipment includes:

1. Plastic bags
2. Sanitizing solution
3. Cotton

Station 10: Inner-Glove Removal

Remove inner gloves and deposit in container with plastic liner.

Necessary equipment includes:

1. Container with plastic liner

Station 11: Field Wash

Wash hands and face.

Necessary equipment includes:

1. Water
2. Soap
3. Tables
4. Wash basins or buckets
5. Clean towels

Station 12: Redress

If re-entering exclusion zone put on clean field clothes (e.g., Tyvek, gloves, etc.).

Necessary equipment includes:

1. Table
2. Clothing

4.2.2 Decontamination of Heavy Equipment

Drilling equipment (e.g. rods, augers, etc…) will be steam cleaned and decontaminated prior leaving the site. The equipment will be decontaminated in the following manner:

- The heavy equipment will be steam cleaned to remove gross contamination.
- Sensitive equipment, such as field meters and surveying instruments, will be wiped with a clean, damp cloth.

5. SAMPLE SHIPMENT

Samples collected, if any, during this remedial action will be classified as non-hazardous samples. In general, hazardous samples are collected from areas where high concentrations of contamination are known or suspected.

5.1 Hazardous Samples

The majority of the environmental samples, if collected, from the site will be shipped as non-hazardous samples. If these conditions exist in grossly contaminated soils, then the grossly contaminated soil samples will be shipped as DOT Hazardous Materials. For example, the designation "Flammable Liquid" or "Flammable Solid" can be used. Refer to International Air Transport Association Guidelines for shipping dangerous goods if the carrier will move the package by air. A completed airway bill must accompany the package and all appropriate labels must be attached to the package.

The example flammable samples will be transported as follows:

1. Collect sample in a 16-ounce or smaller glass or polyethylene container with nonmetallic teflon-lined screw cap. Allow sufficient air space (approximately 10% by volume) so container is not liquid full at 54 ^{O}C (130 ^{O}F). If collecting a solid material, the container plus contents should not exceed 1 pound net weight. If sampling for volatile organic analysis, fill VOA container to septum but place the VOA container inside a 16-ounce or smaller container so the required air space may be provided. Large quantities, up to 3.786 liters (1 gallon), may be collected if the sample's flash point is 23 ^{O}C (75 ^{O}F) or higher. In this case, the flash point must be marked on the outside container (e.g., carton, cooler), and shipping papers should state that "Flash point is 73 ^{O}F or higher."
2. Seal sample and place in a 4-mil-thick polyethylene bag, one sample per bag.
3. Place sealed bag inside a metal jerrican with noncombustible, absorbent cushioning material (e.g., vermiculite or earth) to prevent breakage, one bag per can. Pressure-close the can and use clips, tape or other positive means to hold the lid securely.
4. Mark the can with:

   Name and address of originator

   "Flammable Liquid N.O.S. UN 1993"

   (or "Flammable Solid N.O.S. UN 1325)

   NOTE: UN numbers are now required in proper shipping names.
5. Place one or more metal cans in a strong outside container such as an approved plastic cooler or DOT labeled fiberboard box. Preservatives are not used for hazardous waste site samples.

6. Prepare for shipping:

   "Flammable Liquid, N.O.S. UN 1993" or "Flammable Solid, N.O.S. UN 1325"; "Cargo Aircraft Only (if more than 1 quart net per outside package); "Limited Quantity" or "Ltd. Qty."; "Laboratory Samples"; "Net Weight" or "Net Volume" (of hazardous contents) should be indicated on shipping papers and on outside of shipping container. "This Side Up" or "This End Up" should also be on container. Sign shipper certification. The emergency number for shipping dangerous goods: Chem-Tel (800) 255-3924.

7. Stand by for possible carrier requests to open outside containers for inspection or modify packaging. It is wise to contact carrier before packing to ascertain local packaging requirements and not to leave area before the carrier vehicle (aircraft, truck) is on its way.

5.2 Shipping Papers

Proper shipping papers should be filled out and maintained within the driver's reach, whenever personnel carries hazardous materials in a vehicle in quantities above those allowed for Materials of Trade (MOTs). Such materials may include more than 8 gallons of the following:

- Gasoline (for use in a generator) UN1203, Guide #27
- Methanol (for use in decontamination procedures) UN 1230, Guide #28
- Nitric Acid (for use in decontamination procedures) UN 1760, Guide #60
- Hydrochloric Acid (for use in decontamination procedures) UN 1789, Guide #60

Other materials may include the following:

- > 220 pounds of compressed Gas [Air, Compressed] (calibration gas for the FID, or Grade D breathing air for Level B work) UN 1002, Class 2.2.
- Other hazardous materials as defined by the DOT.

Appropriate MSDSs should be maintained with the shipping papers and/or the pocket DOT Emergency Response Guidebook.

6. ACCIDENT PREVENTION AND CONTINGENCY PLAN

6.1 Accident Prevention

All field personnel will receive health and safety training prior to the initiation of any site activities. On a day-to-day basis, individual personnel should be constantly alert for indicators of potentially hazardous situations and for signs and symptoms in themselves and others that warn of hazardous conditions and exposures. Rapid recognition of dangerous situations can avert an emergency. Before daily work assignments, regular meetings should be held. Discussion should include:

- Tasks to be performed.
- Time constraints (e.g., rest breaks, cartridge changes).
- Hazards that may be encountered, including their effects, how to recognize symptoms or monitor them, concentration limits, or other danger signals.
- Emergency procedures.

6.1.1 Vehicles and Heavy Equipment

Working with large motor vehicles and heavy equipment could be a major hazard at this site. Injuries can result from equipment hitting or running over personnel, impacts from flying objects, or overturning of vehicles. Vehicle and heavy equipment design and operation will be in accordance with 29 CFR, Subpart O, 1926.600 through 1926.602. In particular, the following precautions will be utilized to help prevent injuries/accidents.

- Brakes, hydraulic lines, light signals, fire extinguishers, fluid levels, steering, tires, horn, and other safety devices will be checked at the beginning of each shift.
- Large construction motor vehicles will not be backed up unless:
  - The vehicle has a reverse signal alarm audible above the surrounding noise level; or
  - The vehicle is backed up only when an observer signals that it is safe to do so.
- Heavy equipment or motor vehicle cabs will be kept free of all nonessential items, and all loose items will be secured.
- Large construction motor vehicles and heavy equipment will be provided with necessary safety equipment (seat belts, rollover protection, emergency shut-off in case of rollover, backup warning lights and audible alarms.)
- Blades and buckets will be lowered to the ground and parking brakes will be set before shutting off any heavy equipment or vehicles.

6.1.2 Electrical

- Only qualified personnel are permitted to work on unprotected energized electrical systems.
- Only authorized personnel are permitted to enter high-voltage areas.
- Electrical wiring and equipment will be handled only by those qualified to do so. All electrical wiring and equipment must be considered energized until lockout/tag out procedures is implemented.
- All electrical equipment, power tools, and extension cords must be inspected for damage prior to use. Do not use defective electrical equipment, remove from service.
- All temporary wiring, including extension cords and electrical power tools, must have ground fault circuit interrupters (GFCIs) installed.
- Extension cords must be:
  - equipped with third-wire grounding.
  - covered, elevated, or protected from damage when passing through work areas.
  - protected from pinching if routed through doorways.
  - not fastened with staples, hung from nails, or suspended with wire.
- Electrical power tools and equipment must be effectively grounded or double-insulated UL approved.
- Electric power tools and equipment must be operated and maintained according to manufacturers' instructions.
- Safe clearance distances between overhead power lines and any electrical conducting material must be maintained unless the power lines have been de-energized and grounded, or where insulating barriers have been installed to prevent physical contact. (Maintain at least 10 feet from overhead power lines for voltages of 50 kV or less, and 10 feet plus ½ inch for every 1 kV over 50 kV).
- Temporary lights shall not be suspended by their electric cord unless designed for suspension. Lights shall be protected from accidental contact or breakage.
- Electrical equipment, tools, switches, and outlets must be protected from environmental elements.

6.1.3 Fire/Explosion

- Fire extinguishers shall be provided so that the travel distance from any work area to the nearest extinguisher is less than 100 feet. When 5 gallons or more of a flammable or combustible liquid is being used, an extinguisher must be within 50 feet. Extinguishers must:
  - be maintained in a fully charged and operable condition,
  - be visually inspected each month, and
  - undergo a maintenance check each year.
- The area in front of extinguishers must be kept clear.
- "Exit" signs and "Fire Extinguisher" signs must be posted over existing doors and extinguisher locations.
- Combustible materials stored outside should be at least 10 feet from any building.
- Solvent waste and oily rags must be kept in a fire resistant, covered container until removed from the site.
- Flammable/combustible liquids must be kept in approved containers, and must be stored in an approved storage cabinet.

6.2 Contingency Plan

6.2.1 Emergency Procedures

In the event that an emergency develops on site, the procedures delineated herein are to be immediately followed. Emergency conditions are considered to exist if:

- Any member of the field crew is involved in an accident or experiences any adverse effects or symptoms of exposure while on site.
- A condition is discovered that suggests the existence of a situation more hazardous than anticipated.

General emergency procedures, and specific procedures for personal injury and chemical exposure, are described in the health and safety plan.

6.2.2 Chemical Exposure

If a member of the field crew demonstrates symptoms of chemical exposure, the procedures outlined below should be followed:

- Another team member (buddy) should remove the individual from the immediate area of contamination. The buddy should communicate to the Field Team Leader (via voice and hand signals) of the chemical exposure. The Field Team Leader should contact the appropriate emergency response agency.
- Precautions should be taken to avoid exposure of other individuals to the chemical.
- If the chemical is on the individual's clothing, the chemical should be neutralized or removed if it is safe to do so.
- If the chemical has contacted the skin, the skin should be washed with copious amounts of water.
- In case of eye contact, an emergency eyewash should be used. Eyes should be washed for at least 15 minutes.
- All chemical exposure incidents must be reported in writing to the Office Health and Safety Representative. The Site Health and Safety Officer or Field Team Leader is responsible for completing the accident report (See Appendix B of this Section).

6.2.3 Personal Injury

In case of personal injury at the site, the following procedures should be followed:

- Another team member (buddy) should signal the Field Team Leader that an injury has occurred.

- A field team member trained in first aid can administer treatment to an injured worker.
- The victim should then be transported to the nearest hospital or medical center. If necessary, an ambulance should be called to transport the victim.
- For less severe cases, the individual can be taken to the site dispensary.
- The Field Team Leader or Site Health and Safety Officer is responsible for making certain that an accident report form is completed. This form is to be submitted to the Office Health and Safety Representative. Follow-up action should be taken to correct the situation that caused the accident.

6.2.4 Evacuation Procedures

- The Field Team Leader will initiate evacuation procedure by signaling to leave the site.
- All personnel in the work area should evacuate the area and meet in the common designated area.
- All personnel suspected to be in or near the contract work area should be accounted for and the whereabouts of missing persons determined immediately.
- The Field Team Leader will then give further instruction.

6.2.5 Procedures Implemented in the Event of a Major Fire, Explosion, or On-Site Health Emergency Crisis

- Notify the paramedics and/or fire department, as necessary;
- Signal the evacuation procedure previously outlined and implements the entire procedure;
- Isolate the area;
- Stay upwind of any fire;
- Keep the area surrounding the problem source clear after the incident occurs;
- Complete an accident report form and distribute to appropriate personnel.

6.2.6 Communication

Communication via either radio or cellular phone will be maintained between the field office and all work parties. In case of emergency or accident, the field emergency response person will immediately notify the field office via the communication equipment.

Field team members will use the *buddy* system while performing field activities. Buddies will pre-arrange hand signals for communication. The following hand signals are suggested:

_ **Hand gripping throat**: out of air, cannot breathe.

_ **Grip partner's wrist or place both arms straight up overhead**: Leave area immediately, no debate.

_ **Place both arms overhead in form of an "X"**: Need assistance.

_ **Thumbs up**: OK, I am all right; or I understand.

_ **Thumbs down**: No or negative.

APPENDIX A

AIR MONITORING EQUIPMENT CALIBRATION AND MAINTENANCE

AIR MONITORING EQUIPMENT CALIBRATION AND MAINTENANCE

All monitoring instruments must be calibrated and maintained periodically. The operator must understand the limitations and possible sources of error for each instrument. The operator shall ensure that the instruments respond properly to the substances that they are designed to monitor. Portable air quality monitoring equipment that measures total ionizables present, such as the Rae Systems Mini-RAE□ must be calibrated at least once each day. Four gas meters must be calibrated at least once each day. Real time aerosol monitors, such as the MINI-RAM□, must be zeroed at the beginning of each workday. The specific instructions for calibration and maintenance provided for each instrument should be followed.

APPENDIX B

FORMS FOR HEALTH AND SAFETY-RELATED ACTIVITIES

Note: The OSHA Job Safety and Health Protection Poster must be posted prominently during field activities. The following page is an example of the poster to be used in the field. The actual poster must be an 11 inch by 17-inch size version of this page.

ACCIDENT REPORT FORM

Project Name:_____

INJURED OR ILL EMPLOYEE

1. Name _____ Social Security #_____
   (First) (Middle) (Last)
2. Home Address _____
   (No. and Street) (City or Town) (State and Zip)
3. Age _____ 4. Sex: Male ( ) Female ( )
5. Occupation _____
   (Specific job title, not the specific activity employee was performing at time of injury)
6. Department _____

(Enter name of department in which injured person is employed, even though they may have been temporarily working in another department at the time of injury)

EMPLOYER

7. Name _____
8. Mailing Address _____
   (No. and Street) (City or Town) (State and Zip)
9. Location (if different from mailing address):_____

THE ACCIDENT OR EXPOSURE TO OCCUPATIONAL ILLNESS

10. Place of accident or exposure _____
    (No. and Street) (City or Town) (State and Zip)
11. Was place of accident or exposure on employer's premises? ____(Yes/No)
12. What was the employee doing when injured?_____

(Be specific - was employee using tools or equipment or handling material?)

13. How did the accident occur? _____
    (Describe fully the events that resulted in the injury or occupational illness. Tell what happened and how. Name objects and substances involved. Give details on all factors that led to accident. Use separate sheet if needed)

14. Time of accident: _____
15. Date of injury or initial diagnosis of occupational illness _____ (Date)
16. WITNESS TO ACCIDENT

(Name)	(Affiliation)	(Phone No.)
(Name)	(Affiliation)	(Phone No.)
(Name)	(Affiliation)	(Phone No.)

OCCUPATIONAL INJURY OR OCCUPATIONAL ILLNESS

17. Describe the injury or illness in detail; indicate part of body affected.

_____

_____

18. Name the object or substance, which directly injured the employee. (For example, object that struck employee; the vapor or poison inhaled or swallowed; the chemical or radiation that irritated the skin; or in cases of strains, hernias, etc., the object the employee was lifting, pulling, etc.)

_____

_____

19. Did the accident result in employee fatality? _____ (Yes or No)
20. Number of lost workdays _____/restricted workdays _____ resulting from injury or illness?

OTHER

21. Did you see a physician for treatment? _____ (Yes or No) _____ (Date)
22. Name and address of physician _____

_____

(No. and Street) (City or Town) (State and Zip)

23. If hospitalized, name and address of hospital _____

_____

(No. and Street) (City or Town) (State and Zip)

Date of report _____ Prepared by _____

Official position _____

PROJECT HEALTH AND SAFETY PLAN

AND WORK PLAN ACCEPTANCE FORM

I have read and agree to abide by the contents of the Work Plan and Health and Safety Plan for the following project:

(Project Title)	(Project Number)

Furthermore, I have read and am familiar with the work plan or proposal, which describes the fieldwork to be conducted and the procedures to be utilized in the conduct of this work.

Name (print)	Signature	Date

Place in project Health and Safety File as soon as possible

SITE-SPECIFIC HEALTH AND SAFETY TRAINING

(For All employees on site)

I hereby confirm that site-specific health and safety training has been conducted by the site health and safety officer who included:

- Names of personnel responsible for site safety and health
- Safety, health, and other hazards at the site
- Proper use of personal protective equipment
- Work practices by which the employee can minimize risk from hazards
- Safe use of engineering controls and equipment on the site
- Acute effects of compounds at the site
- Decontamination procedures

For the following project:

(Project Title)	(Project Number)

Name (print)	Signature	Date

Place in project Health and Safety File as soon as possible

APPENDIX C

MATERIAL SAFETY DATA SHEETS

APPENDIX D

STANDARD SAFE WORK PRACTICES

Material Safety Data Sheet
Ethylbenzene

ACC# 00596

Section 1 - Chemical Product and Company Identification

MSDS Name: Ethylbenzene
Catalog Numbers: AC118080000, AC118080025, AC118080250, AC118080251, AC118085000, 11808-0010, O2751-1
Synonyms: Ethylbenzol; Phenylethane.
Company Identification:

Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410

For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
100-41-4	Ethylbenzene	>99	202-849-4

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear, colorless liquid. Flash Point: 15 deg C.
Warning! Flammable liquid and vapor. Causes eye, skin, and respiratory tract irritation. May be harmful if inhaled. Aspiration hazard if swallowed. Can enter lungs and cause damage. May cause central nervous system depression.
Target Organs: Central nervous system.

Potential Health Effects

Eye: Causes severe eye irritation. Causes redness and pain.
Skin: Causes skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis. May be absorbed through the skin. Causes redness and pain.
Ingestion: May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
Inhalation: Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. Vapors may cause dizziness or suffocation.
Chronic: Chronic inhalation may cause effects similar to those of acute inhalation.

Material Safety Data Sheet
Benzene

ACC# 02610

Section 1 - Chemical Product and Company Identification

MSDS Name: Benzene
Catalog Numbers: AC167660000, AC167660010, AC167660025, AC167660250, AC167665000, AC168650250, AC295330000, AC295330010, AC295330025, AC295330250, AC296880000, AC296880010, AC296880025, AC296880250, AC610230010, AC610231000, AC611001000, B243-4, B245-4, B245-500, B411-1, B411-4, B412-1, S79920ACS
Synonyms: Benzol; Cyclohexatriene; Phenyl hydride.
Company Identification:

Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410

For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
71-43-2	Benzene	> 99	200-753-7

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear colorless liquid. Flash Point: -11 deg C.
Danger! Extremely flammable liquid and vapor. Vapor may cause flash fire. Harmful if swallowed, inhaled, or absorbed through the skin. Causes eye, skin, and respiratory tract irritation. Contains benzene. Benzene can cause cancer. Aspiration hazard if swallowed. Can enter lungs and cause damage. May cause blood abnormalities. May cause central nervous system effects.
Target Organs: Blood, central nervous system, respiratory system, eyes, bone marrow, immune system, skin.

Potential Health Effects

Eye: Causes eye irritation.
Skin: Causes skin irritation. Harmful if absorbed through the skin. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis.
Ingestion: May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May cause effects similar to those for inhalation exposure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
Inhalation: Causes respiratory tract irritation. May cause drowsiness, unconsciousness, and central nervous system depression. Exposure may lead to irreversible bone marrow injury. Exposure may lead to aplastic anemia. Potential symptoms of overexposure by inhalation are dizziness, headache, vomiting, visual disturbances, staggering gait, hilarity, fatigue, and other symptoms of CNS depression.
Chronic: May cause bone marrow abnormalities with damage to blood forming tissues. May cause anemia and other blood cell abnormalities. Chronic exposure to benzene has been associated with an increased incidence of leukemia and multiple myeloma (tumor composed of cells of the type

normally found in the bone marrow). Immunodepressive effects have been reported. This substance has caused adverse reproductive and fetal effects in laboratory animals.

Section 4 - First Aid Measures

Eyes: In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid.
Skin: In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.
Ingestion: Potential for aspiration if swallowed. Get medical aid immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. Extremely flammable liquid and vapor. Vapor may cause flash fire. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire. May accumulate static electricity.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Flash Point: -11 deg C (12.20 deg F)
Autoignition Temperature: 498 deg C (928.40 deg F)
Explosion Limits, Lower:1.3 vol %
Upper: 7.1 vol %
NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Provide ventilation. Approach spill from upwind. Use water spray to cool and disperse vapors, protect personnel, and dilute spills to form nonflammable mixtures.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Take precautionary measures against static discharges. Keep container tightly closed. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Keep away from heat, sparks and flame. Avoid breathing vapor.
Storage: Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. See 29CFR 1910.1028 for the regulatory requirements for the control of employee exposure to benzene.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Benzene	0.5 ppm TWA; 2.5 ppm STEL; Skin - potential significant contribution to overall exposure by the cutaneous r oute	0.1 ppm TWA 500 ppm IDLH	1 ppm TWA; 10 ppm TWA (applies to industry segments exempt from the benzene stan dard at 29 CFR 1910.1028); 25 ppm Ceiling (applies to industry segments exempt from the 1 ppm TWA and 5 ppm STEL of th e benzene standard); 0.5 ppm Action Level; 1 ppm TWA; 5 ppm STEL (Cancer hazard, Flammable - see 29 C FR 1910.1028)

OSHA Vacated PELs: Benzene: 10 ppm TWA (unless specified in 1910.1028)

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: clear colorless

Odor: sweetish odor - aromatic odor

pH: Not applicable.

Vapor Pressure: 75 mm Hg @ 20 deg C

Vapor Density: 2.8 (air=1)

Evaporation Rate: Not available.

Viscosity: 0.647mPa @ 20 deg C

Boiling Point: 80.1 deg C

Freezing/Melting Point:5.5 deg C

Decomposition Temperature: Not available.

Solubility: 0.180 g/100 ml @ 25°C

Specific Gravity/Density:0.8765 @ 20°C

Molecular Formula:C6H6

Molecular Weight:78.11

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Ignition sources, excess heat, confined spaces.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 71-43-2: CY1400000
LD50/LC50:
CAS# 71-43-2:
Dermal, guinea pig: LD50 = >9400 uL/kg;
Draize test, rabbit, eye: 88 mg Moderate;
Draize test, rabbit, eye: 2 mg/24H Severe;
Draize test, rabbit, skin: 20 mg/24H Moderate;
Inhalation, mouse: LC50 = 9980 ppm;
Inhalation, mouse: LC50 = 24 mL/kg/2H;
Inhalation, rat: LC50 = 10000 ppm/7H;
Inhalation, rat: LC50 = 34 mL/kg/2H;
Inhalation, rat: LC50 = 6.5 mL/kg/4H;
Oral, mouse: LD50 = 4700 mg/kg;
Oral, rat: LD50 = 930 mg/kg;
Oral, rat: LD50 = 1 mL/kg;
Oral, rat: LD50 = 1800 Benzene is considered very toxic; probable human oral lethal dose would be 50-500 mg/kg. Human inhalation of approximately 20,000 ppm (2% in air) was fatal in 5-10 minutes. While percutaneous absorption of liquid benzene through intact human skin can be limited (e.g., 0.05% of the applied dose), the absorbed dose via direct dermal contact combined with that received from body surface exposure to benzene in workplace air is such that a substantial fraction (20-40%) of the total exposure is due to skin absorption.
Carcinogenicity:
CAS# 71-43-2:

- **ACGIH:** A1 - Confirmed Human Carcinogen
- **California:** carcinogen, initial date 2/27/87
- **NTP:** Known carcinogen
- **IARC:** Group 1 carcinogen

Epidemiology: IARC has concluded that epidemiological studies have established the relationship between benzene exposure and the development of acute myelogenous leukemia, and that there is sufficient evidence that benzene is carcinogenic to humans.
Teratogenicity: Inhalation, rat: TCLO = 50 ppm/24H (female 7-14 day(s) after conception) Effects on Embryo or Fetus - extra-embryonic structures (e.g., placenta, umbilical cord) and Effects on Embryo or Fetus - fetotoxicity (except death, e.g., stunted fetus).; Inhalation,mouse: TCLo = 5 ppm (female 6-15 day(s) after conception) Effects on Embryo or Fetus - cytological changes (including somatic cell genetic material) and Specific Developmental Abnormalities - blood and lymphatic systems (including spleen and marrow).
Reproductive Effects: Inhalation, rat: TCLO = 670 mg/m3/24H (female 15 day(s) pre-mating and female 1-22 day(s) after conception) female fertility index (e.g. # females pregnant per # sperm positive females; # females pregnant per # females mated).; Oral, mouse: TDLo = 12 gm/kg (female 6-15 day (s) after conception) Fertility - post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants).
Mutagenicity: DNA Inhibition: Human, Leukocyte = 2200 umol/L.; DNA Inhibition: Human, HeLa cell = 2200 umol/L.; Mutation Test Systems - not otherwise specified: Human, Lymphocyte = 5 umol/L.; Cytogenetic Analysis: Inhalation, Human = 125 ppm/1Y.; Cytogenetic Analysis: Human, Leukocyte = 1 mmol/L/72H.; Cytogenetic Analysis: Human, Lymphocyte = 1 mg/L.
Neurotoxicity: See actual entry in RTECS for complete information.
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: Fish: Mosquito Fish: TLm = 395 mg/L; 24 Hr; UnspecifiedFish: Goldfish: LC50 =46 mg/L; 24 Hr; Modified ASTM D 1345Fish: Fathead Minnow: LC50 = 15.1 mg/L; 96 Hr; Flow-through at 25°C (pH 7.9-8.0)Fish: Rainbow trout: LC50 = 5.3 mg/L; 96 Hr; Flow-through at 25°C (pH 7.9-8.0)Fish: Bluegill/Sunfish: LD50 = 20 mg/L; 24-48 Hr; Unspecified If benzene is released to soil, it will be subject to rapid volatilization near the surface and that which does not evaporate will be highly to very highly mobile in the soil and may leach to groundwater. If benzene is released to water, it will be subject to rapid volatilization. It will not be expected to significantly adsorb to sediment, bioconcentrate in aquatic organisms or hydrolyze. It may be subject to biodegradation.
Environmental: If benzene is released to the atmosphere, it will exist predominantly in the vapor phase. Gas-phase benzene will not be subject to direct photolysis but it will react with photochemically produced hydroxyl radicals with a half-life of 13.4 days. The reaction time in polluted atmospheres which contain nitrogen oxides or sulfur dioxide is accelerated with the half-life being reported as 4-6 hours. Benzene is fairly soluble in water and is removed from the atmosphere in rain.
Physical: Products of photooxidation include phenol, nitrophenols, nitrobenzene, formic acid, and peroxyacetyl nitrate.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series:
CAS# 71-43-2: waste number U019 (Ignitable waste, Toxic waste).

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	BENZENE	BENZENE
Hazard Class:	3	3
UN Number:	UN1114	UN1114
Packing Group:	II	II
Additional Info:		FLASHPOINT -11 C

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 71-43-2 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 71-43-2: 10 lb final RQ (received an adjusted RQ of 10 lbs based on potential carcinogeni
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes

CAS # 71-43-2: immediate, delayed, fire.

Section 313

This material contains Benzene (CAS# 71-43-2, > 99%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

Clean Air Act:

CAS# 71-43-2 is listed as a hazardous air pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

CAS# 71-43-2 is listed as a Hazardous Substance under the CWA. CAS# 71-43-2 is listed as a Priority Pollutant under the Clean Water Act. CAS# 71-43-2 is listed as a Toxic Pollutant under the Clean Water Act.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 71-43-2 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65

The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:

WARNING: This product contains Benzene, a chemical known to the state of California to cause cancer. WARNING: This product contains Benzene, a chemical known to the state of California to cause male reproductive toxicity.

California No Significant Risk Level: CAS# 71-43-2: 6.4 æg/day NSRL (oral); 13 æg/day NSRL (inhalation)

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

T F

Risk Phrases:

R 11 Highly flammable.
R 36/38 Irritating to eyes and skin.
R 45 May cause cancer.
R 46 May cause heritable genetic damage.
R 48/23/24/25 Toxic : danger of serious damage to health by prolonged exposure through inhalation, contact with skin and if swallowed.
R 65 Harmful: may cause lung damage if swallowed.

Safety Phrases:

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 53 Avoid exposure - obtain special instructions before use.

WGK (Water Danger/Protection)

CAS# 71-43-2: 3

Canada - DSL/NDSL

CAS# 71-43-2 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of B2, D2A, D2B.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 71-43-2 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 6/11/1999
Revision #8 Date: 9/11/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire. May accumulate static electricity.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Flash Point: 15 deg C (59.00 deg F)
Autoignition Temperature: 432 deg C (809.60 deg F)
Explosion Limits, Lower:1.2%
Upper: 6.8%
NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Provide ventilation. Control runoff and isolate discharged material for proper disposal. Use water spray to cool and disperse vapors and protect personnel.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid breathing vapor or mist.
Storage: Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Ethylbenzene	100 ppm TWA; 125 ppm STEL	100 ppm TWA; 435 mg/m3 TWA 800 ppm IDLH	100 ppm TWA; 435 mg/m3 TWA

OSHA Vacated PELs: Ethylbenzene: 100 ppm TWA; 435 mg/m3 TWA

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: clear, colorless

Odor: aromatic odor

pH: Not available.

Vapor Pressure: 9.6 mm Hg @ 25 deg C

Vapor Density: 3.7 (air=1)

Evaporation Rate:<1 (butyl acetate=1)

Viscosity: 0.63 mPa s 20 C

Boiling Point: 136 deg C

Freezing/Melting Point:-95 deg C

Decomposition Temperature: Not available.

Solubility: Insoluble.

Specific Gravity/Density:0.86

Molecular Formula:C8H10

Molecular Weight:106.17

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Ignition sources, excess heat.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 100-41-4: DA0700000
LD50/LC50:
CAS# 100-41-4:
Draize test, rabbit, eye: 500 mg Severe;
Inhalation, mouse: LC50 = 35500 mg/m3/2H;
Inhalation, rat: LC50 = 55000 mg/m3/2H;
Oral, rat: LD50 = 3500 mg/kg;
Oral, rat: LD50 = 3500 mg/kg;
Skin, rabbit: LD50 = 17800 uL/kg;
.
Inhalation rat LC50: 17.2 mg/l/4H from BASF.
Carcinogenicity:
CAS# 100-41-4:

- **ACGIH:** A3 - Confirmed animal carcinogen with unknown relevance to humans
- **California:** carcinogen, initial date 6/11/04
- **NTP:** Not listed.
- **IARC:** Group 2B carcinogen

Epidemiology: No information found
Teratogenicity: No information found
Reproductive Effects: No information found
Mutagenicity: Mutation in mammalian somatic cells(Rodent,mouse) Lymphocyte = 80 mg/L.
Neurotoxicity: No information found
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: Fish: Rainbow trout: LC50 = 14.0 mg/L; 96 Hr.; Static BioassayFish: Fathead Minnow: LC50 = 12.1 mg/L; 96 Hr.; Flow-through BioassayFish: Bluegill/Sunfish: LC50 = 150.0 mg/L; 96 Hr.; Static Bioassay, pH 6.5-7.9, 21-23 degrees CWater flea EC50 = 2.1 mg/L; 48 Hr.; Static BioassayWater flea EC50 = 75.0 mg/L; 48 Hr.; Static Bioassay Shrimp (mysidoposis bahia), LC50=87.6 mg/L/96hr. Sheepshead minnow LC50=275 mg/L/96hr. Fathead minnow LC50=42.3 mg/L/96hr in hard water &48.5 mg/L/96hr in softwater.
Environmental: Experimental data on the bioconcentration of ethylbenzene include a log BCF of 1.9 in goldfish and the log BCF of 0.67 for clams exposed to the water-soluble fraction of crude oil. Using its octanol/water partition coefficient (log Kow= 3.15) and using a recommended regression equation, one can calculate a log BCF in fish of 2.16 indicating that ethylbenzene should not significantly bioconcentrate in aquatic organisms. Ethylbenzene has a moderate adsorption for soil. The measured Koc for silt loam was 164
Physical: The predominant photochemical reaction of ethylbenzene in the atmosphere is with hydroxyl radicals; the tropospheric half-life for this reaction is 5.5 and 24 hr in the summer and winter, actively. Degradation is somewhat faster under photochemical smog situations. Photooxidation products which have been identified include ethylphenol, benzaldehyde, acetophenone and m- and p-ethylnitrobenzene. Ethylbenzene is resistant to hydrolysis. Ethylbenzene does not significantly absorb light above 290 nm in methanol solution.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	ETHYLBENZENE	ETHYLBENZENE
Hazard Class:	3	3
UN Number:	UN1175	UN1175
Packing Group:	II	II
Additional Info:		FLASHPOINT 15 C

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 100-41-4 is listed on the TSCA inventory.
Health & Safety Reporting List
CAS# 100-41-4: Effective 6/19/87, Sunset 6/19/97
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 100-41-4: 1000 lb final RQ; 454 kg final RQ
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 100-41-4: immediate, delayed, fire.
Section 313
This material contains Ethylbenzene (CAS# 100-41-4, >99%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
CAS# 100-41-4 is listed as a hazardous air pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
CAS# 100-41-4 is listed as a Hazardous Substance under the CWA. CAS# 100-41-4 is listed as a Priority Pollutant under the Clean Water Act. CAS# 100-41-4 is listed as a Toxic Pollutant under the Clean Water Act.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 100-41-4 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65
The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:
WARNING: This product contains Ethylbenzene, a chemical known to the state of California to cause cancer.
California No Significant Risk Level: None of the chemicals in this product are listed.

European / International Regulations

European Labeling in Accordance with EC Directives
Hazard Symbols:
XN F
Risk Phrases:
R 11 Highly flammable.
R 20 Harmful by inhalation.

Safety Phrases:
S 16 Keep away from sources of ignition - No smoking.
S 24/25 Avoid contact with skin and eyes.
S 29 Do not empty into drains.

WGK (Water Danger/Protection)
CAS# 100-41-4: 1
Canada - DSL/NDSL
CAS# 100-41-4 is listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of B2, D2B, D2A.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
Canadian Ingredient Disclosure List
CAS# 100-41-4 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 4/28/1999
Revision #6 Date: 11/29/2007

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

DIBENZO(a,h)ANTHRACENE

0431

October 1995

CAS No: 53-70-3
RTECS No: HN2625000
EC No: 601-041-00-2

1,2:5,6-Dibenzanthracene
$C_{22}H_{14}$
Molecular mass: 278.4

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Water spray, powder.
EXPLOSION			
EXPOSURE		**AVOID ALL CONTACT!**	
Inhalation		Local exhaust or breathing protection.	Fresh air, rest.
Skin	Redness. Swelling. Itching.	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes	Redness.	Face shield or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion		Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into sealable containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Personal protection: P3 filter respirator for toxic particles.	T Symbol N Symbol R: 45-50/53 S: 53-45-60-61

EMERGENCY RESPONSE	SAFE STORAGE
	Well closed.

IPCS
International Programme on Chemical Safety

Prepared in the context of cooperation between the International Programme on Chemical Safety and the European Commission

IMPORTANT DATA

Physical State; Appearance
COLOURLESS CRYSTALLINE POWDER.

Occupational exposure limits
TLV not established.

Routes of exposure
The substance can be absorbed into the body by inhalation, through the skin and by ingestion.

Inhalation risk
Evaporation at 20/C is negligible; a harmful concentration of airborne particles can, however, be reached quickly.

Effects of long-term or repeated exposure
The substance may have effects on the skin, resulting in photosensitization. This substance is probably carcinogenic to humans.

PHYSICAL PROPERTIES

Boiling point: 524/C
Melting point: 267/C
Relative density (water = 1): 1.28

Solubility in water: none
Octanol/water partition coefficient as log Pow: 6.5

ENVIRONMENTAL DATA

Bioaccumulation of this chemical may occur in seafood.

NOTES

This is one of many polycyclic aromatic hydrocarbons - standards are usually established for them as mixtures, e.g., coal tar pitch volatiles. However, it may be encountered as a laboratory chemical in its pure form.
Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken.
Do NOT take working clothes home.
DBA is a commonly used name.
This substance is one of many polycyclic aromatic hydrocarbons (PAH).
Card has been partly updated in October 2005. See section EU classification.

ADDITIONAL INFORMATION

FLUKA CHEMICAL CORP -- BIS(2-ETHYLHEXYL) PHTHALATE, 80032 -- 6810-00N050723

========== Product Identification ==========

Product ID:BIS(2-ETHYLHEXYL) PHTHALATE, 80032
MSDS Date:11/23/1993
FSC:6810
NIIN:00N050723
MSDS Number: BVKBT
=== Responsible Party ===
Company Name:FLUKA CHEMICAL CORP
Address:980 SOUTH SECOND STREET
City:RONKONKOMA
State:NY
ZIP:11779-7238
Country:US
Emergency Phone Num:516-467-3535
CAGE:63181
=== Contractor Identification ===
Company Name:FLUKA CHEMICAL CORP
Address:1001 WEST ST PAUL
Box:City:MILWAUKEE
State:WI
ZIP:53233
Country:US
Phone:414-273-3850
CAGE:63181

========== Composition/Information on Ingredients ==========

Ingred Name:PHTHALIC ACID, BIS(2-ETHYLHEXYL)ESTER;
(BIS(2-ETHYLHEXYL)PHTHALATE)
CAS:117-81-7
RTECS #:TI0350000
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3;10 STEL
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

========== Hazards Identification ==========

LD50 LC50 Mixture:LD50:(ORAL,RAT)30600 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: HARMFUL IF SWALLOWED,
INHALED/ABSORBED THRU SKIN. CAUSES SKIN IRRIT. VAP/MIST IS
IRRITATING TO EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
EXPOS CAN CAUSE: GI DISTURBANCES. DAMAGE TO LI VER. CHRONIC:
CARCIN. OVEREXP MAY CAUSEREPROD DISORDER(S) BASED ON TESTS W/LAB
ANIMALS. MAY CAUSE (EFTS OF OVEREXP)
Explanation of Carcinogenicity:PHTHALIC ACID, BIS(2-ETHYLHEXYL)ESTER:
IARC MONO, SUPP, VOL 7, PG 56, 1987: GRP 2B. NTP 7TH ANNUAL REPORT
ON (SUPDAT)
Effects of Overexposure:HLTH HAZ: REPROD DISORDERS. TARGET ORGANS:
LIVER, GI SYSTEM.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

========== First Aid Measures ==========

First Aid:EYES: IMMED FUSH W/COPIOUS AMTS OF WATER FOR @ LST 15 MIN.
SKIN: IMMED FLUSH W/COPIOUS AMTS OF WATER FOR @ LST 15 MIN WHILE
REMOVING CONTAMD CLTHG & SHOES. REMOVE & WASH CONTAMD CLTHG
PROMPTLY. DISCAR D CONTAMD SHOES. INHAL: REMOVE TO FRESHAIR. IF NOT
BRTHG GIVE ARTF RESP. IF BRTHG IS DFCLT, GIVE OXYGEN. INGEST: WASH
OUT MOUTH W/WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYS.

========== Fire Fighting Measures ==========

Flash Point:405F,207C
Lower Limits:0.3%
Extinguishing Media:WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . USE WATER SPRAY TO COOL FIRE-EXPOSED CONTRS.
Unusual Fire/Explosion Hazard:EMITS FUMES UNDER FIRE CONDITIONS.

========== Accidental Release Measures ==========

Spill Release Procedures:WEAR NIOSH/MSHA APPRVD SCBA, RUBBER BOOTS AND HEAVY RUBBER GLOVES. ABOSRB ON SAND/VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL. VENT AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLE TE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

========== Handling and Storage ==========

Handling and Storage Precautions:DO NOT BREATHE VAP. DO NOT GET IN EYES, ON SKIN/CLTHG. AVOID PRLNGD/RPTD EXPOS. IRRITANT. CARCIN. POSS TETRATOGEN. REPROD HAZ. KEEP TIGHTLY CLSD.
Other Precautions:STORE IN A COOL DRY PLACE. MAY CAUSE CANCER.

========== Exposure Controls/Personal Protection ==========

Respiratory Protection:WEAR APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation:USE ONLY IN A CHEMICAL FUME HOOD.
Protective Gloves:CHEMICAL-RESISTANT GLOVES.
Eye Protection:SAFETY GOGGLES.
Other Protective Equipment:OTHER PROTECTIVE CLOTHING. SAFETY SHOWER AND EYE BATH.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
EXPLAN OF CARCIN: CARCIN, 1994: ANTIC TO BE CARCIN. ANIMAL: LIVER, TESTES.

========== Physical/Chemical Properties ==========

Boiling Pt:B.P. Text:723F,384C
Melt/Freeze Pt:M.P/F.P Text:-58F,-50C
Vapor Pres:1.2@93C
Vapor Density:>16
Spec Gravity:0.981
Appearance and Odor:VISCOUS COLORLESS LIQUID

========== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE.

========== Disposal Considerations ==========

Waste Disposal Methods:DISSOLVE/MIX MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AN SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.

SUPELCO INC -- 48499, INDENO (1,2,3-CD) PYRENE 10MG -- 6810-00N032522

========== Product Identification ==========

Product ID:48499, INDENO (1,2,3-CD) PYRENE 10MG
MSDS Date:06/06/1985
FSC:6810
NIIN:00N032522
MSDS Number: BNSSK
=== Responsible Party ===
Company Name:SUPELCO INC
Address:SUPELCO PARK
City:BELLEFONTE
State:PA
ZIP:16823-0048
Country:US
Info Phone Num:814-359-3441
Emergency Phone Num:814-359-3441
CAGE:54968
=== Contractor Identification ===
Company Name:SIGMA-ALDRICH INC.
Address:3050 SPRUCE STREET
Box:14508
City:ST. LOUIS
State:MO
ZIP:63103
Country:US
Phone:314-771-5765/414-273-3850X5996
CAGE:54968

========== Composition/Information on Ingredients ==========

Ingred Name:INDENO 1,2,3-CD PYRENE
CAS:193-39-5
RTECS #:NK9300000
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

========== Hazards Identification ==========

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:REPORTED ANIMAL CARCINOGEN.
Explanation of Carcinogenicity:INDENO(1,2,3-CD) PYRENE: GROUP 2B(IARC),
ANTICIPATED TO BE CARCINOGEN (NTP).
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

========== First Aid Measures ==========

First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 15 MIN. SKIN: FLUSH WITH
LARGE VOLUMES OF WATER. REMOVE CONTAMINATED CLOTHING. INHAL: MOVE
TO FRESH AIR. IF BREATHING STOPS, GIVE ARTF RESP. INGEST: IMMED
CONTACT A PHYSICIAN.

========== Fire Fighting Measures ==========

Flash Point:400F,204C
Extinguishing Media:CO2, DRY CHEMICAL.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT .

========== Accidental Release Measures ==========

Spill Release Procedures:SWEEP UP MATERIAL. AVOID GENERATING DUST.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

========== Handling and Storage ==========

Handling and Storage Precautions:STORE IN SEALED CONTR IN COOL, DRY LOCATION. KEEP AWAY FROM OXIDIZERS. STORE IN DRY, WELL VENTILATED AREA.
Other Precautions:REPORTED CANCER HAZARD. AVOID EYE OR SKIN CONTACT.

========== Exposure Controls/Personal Protection ==========

Respiratory Protection:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .
Ventilation:USE ONLY IN EXHAUST HOOD.
Protective Gloves:NEOPRENE GLOVES.
Eye Protection:CHEMICAL WORKERS GOGGLES .
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

========== Physical/Chemical Properties ==========

HCC:T6
Melt/Freeze Pt:M.P/F.P Text:324F,162C
Vapor Pres:0.10
Appearance and Odor:YELLOW CRYSTALS

========== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS. METALLIC SODIUM & POTASSIUM.

========== Disposal Considerations ==========

Waste Disposal Methods:COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL REGULATIONS.

KOPPERS CO INC -- COAL TAR PITCH -- 5610-00F025191

========== Product Identification ==========

Product ID:COAL TAR PITCH
MSDS Date:09/01/1985
FSC:5610
NIIN:00F025191
MSDS Number: BNZJK
=== Responsible Party ===
Company Name:KOPPERS CO INC
Address:436 7TH AVE
City:PITTSBURGH
State:PA
ZIP:15219
Country:US
Info Phone Num:800-556-7737
Emergency Phone Num:800-553-5631
CAGE:KOPPE
=== Contractor Identification ===
Company Name:KOPPERS CO INC
Address:436 7TH AVE
City:PITTSBURGH
State:PA
ZIP:15219
Country:US
Phone:800-556-7737
CAGE:KOPPE
Company Name:KOPPERS ROOFING SERVICES
Address:436 7TH AVE
Box:City:PITTSBURGH
State:PA
ZIP:15219
Country:US
Phone:412-227-2884
CAGE:0EGB7

========== Composition/Information on Ingredients ==========

Ingred Name:COAL TAR PITCH (SUSPECTED A1 HUMAN CARCINOGEN BY ACGIH,
NTP)
CAS:65996-93-2
RTECS #:GF8655000
Other REC Limits:0.1 MG/CUM
OSHA PEL:200 MG/CUM
ACGIH TLV:0.2 MG/CUM (A1)

========== Hazards Identification ==========

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:EYE: IRRITATION/CORNEAL CHANGE/THERMAL
BURN. SKIN: IRRITATION/HARMFUL/PHOTOTOXIC REACTION/CANCER/THERMAL
BURN. INHALATION: HARMFUL/RESPIRATORY TRACT IRRITATION &
DIFFICULTIES/CNS EFFECT/CARDIOVASCULAR COLLAPSE. INGESTION: GI
DISTURBANCE/IRRITATION/NAUSEA/VOMITING/ABDOMINAL
PAIN/HARMFUL/CARDIOVASCULAR INVOLVEMENT.
Explanation of Carcinogenicity:SEE INGREDIENTS.
Effects of Overexposure:EYE: IRRITATION/CORNEAL CHANGE/THERMAL BURN.
SKIN: IRRITATION/HARMFUL/PHOTOTOXIC REACTION/CANCER/THERMAL BURN.
INHALATION: HARMFUL/RESPIRATORY TRACT IRRITATION & DIFFICULTIES/CNS

EFFECT/CARDIOVASCULAR COLLAPSE. INGESTION: GI DISTURBANCE/IRRITATION/NAUSEA/VOMITING/ABDOMINAL PAIN/HARMFUL/CARDIOVASCULAR INVOLVEMENT.
Medical Cond Aggravated by Exposure:LIVER/KIDNEY/SKIN/CNS/RESPIRATORY DISEASES

========== First Aid Measures ==========

First Aid:EYE: IMMEDIATELY FLUSH W/LARGE AMOUNTS OF WATER FOR 15 MINS. SKIN: WASH THOROUGHLY W/WATERLESS HAND CLEANER. FLUSH W/LARGE AMOUNTS OF COLD WATER. SUBMERGE AREA IN COLD WATER. PACK W/ICE. INHALATION: R EMOVE TO FRESH AIR. IF BREATHING HAS STOPPED OR IS DIFFICULT, ADMINISTER ARTIFICIAL RESPIRATION OR OXYGEN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

========== Fire Fighting Measures ==========

Flash Point Method:COC
Flash Point:302F
Extinguishing Media:DRY CHEMICAL, CO2, FOAM, OR WATER SPRAY. WATER OR FOAM MAY CAUSE FROTHING, IF MOLTEN.
Fire Fighting Procedures:WEAR FULL FACE APPROVED SELF-CONTAINED BREATHING APPARATUS. USE WATER TO COOL FIRE-EXPOSED CONTAINER/STRUCTURE/PROTECT PERSONNEL.
Unusual Fire/Explosion Hazard:FIRE GIVES OFF TOXIC VAPORS. VAPORS ARE RELEASED/DUST MAY FORM EXPLOSIVE MIXTURES IN AIR. CLOSED CONTAINERS EXPLODE IN HEAT. COMBUSTIBLE AT HIGH TEMPERATURES.

========== Accidental Release Measures ==========

Spill Release Procedures:SOLIDIFIED SPILL: SHOVEL INTO DRY CONTAINERS/COVER. FLUSH AREA W/WATER. CONTAIN RUNOFF FROM FIRE CONTROL/DILUTION WATER. TREAT AS A COAL SPILLAGE/RECOVER SPILLAGE. IF HOT LIQUID IS SPILLED, CONTAIN W/ SAND/ASHES. ALLOW TO COOL/SCRAPE UP/DISPOSE.

========== Handling and Storage ==========

Handling and Storage Precautions:AVOID CONTACT W/SKIN & EYES. KEEP IN A CLOSED, LABELED CONTAINER W/IN A COOL, WELL SHADED, DRY VENTILATED AREA. AVOID INHALATION OF DUSTS/VAPORS.
Other Precautions:PROTECT FROM PHYSICAL DAMAGE. READ/UNDERSTAND MSDS. APPLY PROTECTIVE CREAMS BEFORE WORKING/SEVERAL TIMES DURING WORK. DON'T USE/STORE IN HOME. DON'T INGEST. DON'T WEAR CONTACT LENS W/OUT PROPER EYE PR OTECTION WHEN USING PRODUCT.

========== Exposure Controls/Personal Protection ==========

Respiratory Protection:USE MSHA/NIOSH APPROVED COMBINATION FILTER/ORGANIC VAPOR CARTRIDGES OR CANISTERS. FULL-FACE PIECE RESPIRATORY PROTECTIVE UNITS REQUIRED.
Ventilation:SUFFICIENT GENERAL/LOCAL EXHAUST: IN PATTERN/VOLUME TO CONTROL INHALATION EXPOSURES & TO KEEP <TLV.
Protective Gloves:HEAT RESISTANT INDUSTRIAL FABRIC-TYPE
Eye Protection:INDUSTRIAL SAFETY GLASSES, GOGGLES
Other Protective Equipment:SIDE/FACE SHIELD/INDUSTRIAL-TYPE WORK CLOTHING/SAFETY FOOTWEAR/HEAT & NECK COVER/APRON/JACKET/PANTS/COVERALLS/BOOTS
Work Hygienic Practices:PRACTICE GOOD HYGIENE. MAINTAIN GOOD HOUSEKEEPING. WASH BEFORE EATING/DRINKING/USING TOBACCO PRODUCTS OR REST ROOMS.
Supplemental Safety and Health

========== Physical/Chemical Properties ==========

Boiling Pt:B.P. Text:500F
Vapor Pres:1
Vapor Density:1
Spec Gravity:1.22
Evaporation Rate & Reference:(ETHER = 1): 1
Solubility in Water:NEGLIGIGLE
Appearance and Odor:BLACK SOLID W/NO ODOR AT 69.8F, AROMATIC ODOR AFTER MELTING.
Percent Volatiles by Volume:NEGL

========== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:EXTREME HEAT, PHYSICAL DAMAGE
Hazardous Decomposition Products:TOXIC FUMES

========== Disposal Considerations ==========

Waste Disposal Methods:DISPOSE OF AS A HAZARDOUS WASTE ACCORDING TO LOCAL, STATE, & FEDERAL REGULATIONS. PLACE IN TIGHTLY SEALED LABELED CONTAINERS.

Material Safety Data Sheet

Benzo[a]pyrene, 98%

ACC# 37175

Section 1 - Chemical Product and Company Identification

MSDS Name: Benzo[a]pyrene, 98%
Catalog Numbers: AC105600000, AC105600010, AC105601000, AC377200000, AC377200010, AC377201000 AC377201000
Synonyms: 3,4-Benzopyrene; 3,4-Benzpyrene; Benzo[def]chrysene.
Company Identification:

Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
50-32-8	Benzo[a]pyrene	>96	200-028-5

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: yellow to brown powder.
Danger! May cause harm to the unborn child. May impair fertility. May cause eye, skin, and respiratory tract irritation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Cancer hazard. May cause allergic skin reaction. May cause heritable genetic damage.
Target Organs: Reproductive system, skin.

Potential Health Effects

Eye: May cause eye irritation.
Skin: May cause skin irritation. May be harmful if absorbed through the skin. May cause an allergic reaction in certain individuals.
Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated. May be harmful if swallowed.
Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. May be harmful if inhaled.
Chronic: May cause cancer in humans. May cause reproductive and fetal effects. Laboratory experiments have resulted in mutagenic effects.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Flash Point: Not available.
Autoignition Temperature: Not available.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 2; Flammability: 0; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Benzo[a]pyrene	0.2 mg/m3 TWA (as benzene soluble aerosol) (listed under Coal tar pitches).	0.1 mg/m3 TWA (cyclohexane-extractable fraction) (listed under Coal tar pitches).80 mg/m3 IDLH (listed under Coal tar	0.2 mg/m3 TWA (as benzene soluble fraction) (listed under Coal tar pitches).

		pitches).	

OSHA Vacated PELs: Benzo[a]pyrene: No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Powder
Appearance: yellow to brown
Odor: faint aromatic odor
pH: Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 495 deg C @ 760 mm Hg
Freezing/Melting Point:175 - 179 deg C
Decomposition Temperature: Not available.
Solubility: 1.60x10-3 mg/l @25°C
Specific Gravity/Density: Not available.
Molecular Formula:C20H12
Molecular Weight:252.31

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Dust generation.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 50-32-8: DJ3675000
LD50/LC50:
Not available.

Carcinogenicity:
CAS# 50-32-8:

- **ACGIH:** A2 - Suspected Human Carcinogen

- **California:** carcinogen, initial date 7/1/87
- **NTP:** Suspect carcinogen
- **IARC:** Group 1 carcinogen (listed as Coal tar pitches).

Epidemiology: No information found
Teratogenicity: No information found
Reproductive Effects: Adverse reproductive effects have occurred in experimental animals.
Mutagenicity: Mutagenic effects have occurred in humans.Mutagenic effects have occurred in experimental animals.
Neurotoxicity: No information found
Other Studies:

Section 12 - Ecological Information

No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series:
CAS# 50-32-8: waste number U022.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	NOT REGULATED FOR DOMESTIC TRANSPORT	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOL (Benzo{a} pyrene)
Hazard Class:		9
UN Number:		UN3077
Packing Group:		III

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 50-32-8 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

CAS# 50-32-8: 1 lb final RQ; 0.454 kg final RQ

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 50-32-8: immediate, delayed.

Section 313

This material contains Benzo[a]pyrene (CAS# 50-32-8, >96%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR

Clean Air Act:

This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.
CAS# 50-32-8 is listed as a Priority Pollutant under the Clean Water Act.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 50-32-8 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65

The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:

WARNING: This product contains Benzo[a]pyrene, a chemical known to the state of California to cause cancer.

California No Significant Risk Level: CAS# 50-32-8: 0.06 æg/day NSRL

European / International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

T N

Risk Phrases:

R 43 May cause sensitization by skin contact.
R 45 May cause cancer.
R 46 May cause heritable genetic damage.
R 60 May impair fertility.
R 61 May cause harm to the unborn child.
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 53 Avoid exposure - obtain special instructions before use.
S 60 This material and its container must be disposed of as hazardou s waste.
S 61 Avoid release to the environment. Refer to special instructions /safety data sheets.

WGK (Water Danger/Protection)

CAS# 50-32-8: No information available.

Canada - DSL/NDSL

CAS# 50-32-8 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of D2A.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 50-32-8 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 9/02/1997
Revision #7 Date: 6/30/2006

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

MSDS Number: **A7441** * * * * * *Effective Date:* ***08/17/06*** * * * * * *Supercedes:* ***11/12/03***

MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

J.T.Baker ®

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. And Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

ARSENIC, 1,000 UG/ML OR 10,000 UG/ML

1. Product Identification

Synonyms: None
CAS No.: Not applicable to mixtures.
Molecular Weight: Not applicable to mixtures.
Chemical Formula: Not applicable to mixtures.
Product Codes: 5704, 5718, 6442

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Arsenic	7440-38-2	0.1 - 1%	Yes
Nitric Acid	7697-37-2	< 4%	Yes
Water	7732-18-5	> 95%	No

3. Hazards Identification

Emergency Overview

DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR INHALED. AFFECTS

LIVER, KIDNEYS, LUNGS AND TEETH. CANCER HAZARD. CONTAINS INORGANIC ARSENIC WHICH CAN CAUSE CANCER. Risk of cancer depends on duration and level of exposure.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Cancer Causing)
Flammability Rating: 0 - None
Reactivity Rating: 1 - Slight
Contact Rating: 3 - Severe (Corrosive)
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: White (Corrosive)

Potential Health Effects

Nitric acid is extremely hazardous; it is corrosive, reactive, an oxidizer, and a poison. The health effects from exposure to diluted forms of this chemical are not well documented. They are expected to be less severe than those for concentrated forms which are referenced in the descriptions below.

Inhalation:
Corrosive! Inhalation of vapors can cause breathing difficulties and lead to pneumonia and pulmonary edema, which may be fatal. Other symptoms may include coughing, choking, and irritation of the nose, throat, and respiratory tract. Arsenic may cause inflammation of the mucous membranes with cough and foamy sputum, restlessness, dyspnea, cyanosis, and rales. Symptoms like those from ingestion exposure may follow. May cause pulmonary edema.

Ingestion:
Corrosive! Swallowing nitric acid can cause immediate pain and burns of the mouth, throat, esophagus and gastrointestinal tract. Arsenic is highly toxic! May cause burning in esophagus, vomiting, and bloody diarrhea. Symptoms of cold and clammy skin, low blood pressure, weakness, headache, cramps, convulsions, and coma may follow. May cause damage to liver and kidneys. A suspected fetal toxin. Death may occur from circulatory failure. Estimated lethal dose 120 milligrams.

Skin Contact:
Corrosive! Can cause redness, pain, and severe skin burns. Concentrated solutions cause deep ulcers and stain skin a yellow or yellow-brown color.

Eye Contact:
Corrosive! Vapors are irritating and may cause damage to the eyes. Contact may cause severe burns and permanent eye damage.

Chronic Exposure:
Long-term exposure to concentrated vapors may cause erosion of teeth and lung damage. Long-term exposures seldom occur due to the corrosive properties of the acid. Arsenic on repeated or prolonged skin contact may cause bronzing of the skin, edema, dermatitis, and lesions. Repeated or prolonged inhalation of dust may cause damage to the nasal septum. Chronic exposure from inhalation or ingestion may cause hair and weight loss, a garlic odor to the breath and perspiration, excessive salivation and perspiration, central nervous system damage, hepatitis, gastrointestinal disturbances, cardiovascular damage, and kidney and liver damage. Arsenic compounds are known human carcinogens and may be teratogenic

based on effects in laboratory animals.
Aggravation of Pre-existing Conditions:
Persons with pre-existing skin disorders, eye disease, or cardiopulmonary diseases may be more susceptible to the effects of this substance.

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4. First Aid Measures

Immediate first aid treatment reduces the health effects of this substance. First aid procedures given apply to concentrated solutions. Exposures to dilute solutions may not require these extensive first aid procedures.
Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:
If swallowed, give large quantities of water to drink and get medical attention immediately. Never give anything by mouth to an unconscious person.
Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately. Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to this substance.
Eye Contact:
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Note to Physician:
If emesis if unsuccessful after two doses of Ipecac, consider gastric lavage. Monitor urine arsenic level. Alkalization of urine may help prevent disposition of red cell breakdown products in renal tubular cells. If acute exposure is significant, maintain high urine output and monitor volume status, preferably with central venous pressure line. Abdominal X-rays should be done routinely for all ingestions. Chelation therapy with BAL, followed by n-penicillamine is recommended, but specific dosing guidelines are not clearly established.

---

5. Fire Fighting Measures

Fire:
Not combustible, but concentrated material is a strong oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition.
Explosion:
Concentrated material reacts explosively with combustible organic or readily oxidizable materials such as: alcohols, turpentine, charcoal, organic refuse, metal powder, hydrogen sulfide, etc. Reacts with most metals to release hydrogen gas which can form explosive mixtures with air.
Fire Extinguishing Media:
If involved in a fire, use water spray.
Special Information:

Increases the flammability of combustible, organic and readily oxidizable materials. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

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6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

J. T. Baker NEUTRASORB® acid neutralizers are recommended for spills of this product.

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7. Handling and Storage

Store in a cool, dry, ventilated storage area with acid resistant floors and good drainage. Protect from physical damage. Keep out of direct sunlight and away from heat, water, and incompatible materials. Do not wash out container and use it for other purposes. When diluting, the acid should always be added slowly to water and in small amounts. Never use hot water and never add water to the acid. Water added to acid can cause uncontrolled boiling and splashing. Wear special protective equipment (Sec. 8) for maintenance break-in or where exposures may exceed established exposure levels. Wash hands, face, forearms and neck when exiting restricted areas. Shower, dispose of outer clothing, change to clean garments at the end of the day. Avoid cross-contamination of street clothes. Wash hands before eating and do not eat, drink, or smoke in workplace. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

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8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
For Nitric Acid:
OSHA Permissible Exposure Limit (PEL):
2 ppm (TWA)
ACGIH Threshold Limit Value (TLV):
2 ppm (TWA); 4 ppm (STEL)
For Inorganic Arsenic compounds (as As):
- OSHA Permissible Exposure Limit (PEL):
l0 ug/m3 (TWA), 5 ug/m3(Action Level), cancer hazard.

- ACGIH Threshold Limit Value (TLV):
0.01 mg/m3 (TWA), A1, confirmed human carcinogen.

Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded, wear a supplied air, full-facepiece respirator, airlined hood, or full-facepiece self-contained breathing apparatus. Canister-type respirators using sorbents are ineffective.

Skin Protection:
Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.

Eye Protection:
Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Other Control Measures:
Any area where inorganic arsenic is stored, handled, used, etc., must be established as a 'Regulated Area' with controlled access, limited to authorized persons. Containers of inorganic arsenic and Regulated Areas must be labeled to show a CANCER SUSPECT AGENT is present. Eating, drinking, and smoking should not be permitted in areas where solids or liquids containing arsenic or lead compounds are handled, processed, or stored. See OSHA substance-specific standard for more information on personal protective equipment, engineering and work practice controls, medical surveillance, record keeping, and reporting requirements. (arsenic: 29 CFR 1910 .1018; lead: 29 CFR 1910.1025).

---

9. Physical and Chemical Properties

Appearance:
Clear, colorless liquid.

Odor:
Odorless.

Solubility:
Infinitely soluble.

Specific Gravity:
No information found.

pH:
No information found.

% Volatiles by volume @ 21C (70F):
> 99

Boiling Point:
No information found.

Melting Point:
No information found.

Vapor Density (Air=1):
No information found.

Vapor Pressure (mm Hg):
No information found.

Evaporation Rate (BuAc=1):
No information found.

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10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage. Containers may burst when heated.
Hazardous Decomposition Products:
When heated to decomposition, emits toxic nitrogen oxides fumes and hydrogen nitrate. Emits toxic fumes of arsenic when heated to decomposition.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
A dangerously powerful oxidizing agent, concentrated nitric acid is incompatible with most substances, especially strong bases, metallic powders, carbides, hydrogen sulfide, turpentine, and combustible organics.
Conditions to Avoid:
Heat, incompatibles.

---

11. Toxicological Information

Toxicological Data:
For arsenic: oral rat LD50: 763 mg/kg. Investigated as a tumorigen, mutagen, reproductive effector. For Nitric Acid: Investigated as a mutagen and reproductive effector.
Carcinogenicity:
For arsenic and inorganic arsenic compounds:
Regulated by OSHA as a carcinogen.
EPA / IRIS classification: Group A - Known human carcinogen.

--------\Cancer Lists\----------

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Arsenic (7440-38-2)	Yes	No	1
Nitric Acid (7697-37-2)	No	No	None
Water (7732-18-5)	No	No	None

---

12. Ecological Information

Environmental Fate:
No information found.
Environmental Toxicity:
No information found.

---

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

---

14. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

International (Water, I.M.O.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

International (Air, I.C.A.O.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

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15. Regulatory Information

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--------\Chemical Inventory Status - Part 1\---------------------------------
Ingredient                                    TSCA  EC   Japan  Australia
----------------------------------------------  ----  ---  -----  ---------
Arsenic (7440-38-2)                            Yes  Yes   No       Yes
Nitric Acid (7697-37-2)                        Yes  Yes   Yes      Yes
Water (7732-18-5)                              Yes  Yes   Yes      Yes

--------\Chemical Inventory Status - Part 2\---------------------------------
                                                        --Canada--
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Ingredient	Korea	DSL	NDSL	Phil.
Arsenic (7440-38-2)	Yes	Yes	No	Yes
Nitric Acid (7697-37-2)	Yes	Yes	No	Yes
Water (7732-18-5)	Yes	Yes	No	Yes

\-------\Federal, State & International Regulations - Part 1\----------

Ingredient	-SARA 302- RQ	TPQ	------SARA 313------ List	Chemical Catg.
Arsenic (7440-38-2)	No	No	Yes	Arsenic comp
Nitric Acid (7697-37-2)	1000	1000	Yes	No
Water (7732-18-5)	No	No	No	No

\-------\Federal, State & International Regulations - Part 2\----------

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Arsenic (7440-38-2)	1	No	No
Nitric Acid (7697-37-2)	1000	No	No
Water (7732-18-5)	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Mixture / Liquid)

WARNING:
THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

Australian Hazchem Code: None allocated.
Poison Schedule: S6
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

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16. Other Information

NFPA Ratings: Health: **3** Flammability: **0** Reactivity: **0**
Label Hazard Warning:
DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR INHALED. AFFECTS LIVER, KIDNEYS, LUNGS AND TEETH. CANCER HAZARD. CONTAINS INORGANIC ARSENIC WHICH CAN CAUSE CANCER. Risk of cancer depends on duration and level of exposure.
Label Precautions:
Do not get in eyes, on skin, or on clothing.
Do not breathe vapor or mist.
Use only with adequate ventilation.
Wash thoroughly after handling.
Keep container closed.
Label First Aid:
In case of contact, immediately flush eyes or skin with plenty of water for at least 15

minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If swallowed, give large amounts of water to drink. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In all cases get medical attention immediately.

Product Use:
Laboratory Reagent.

Revision Information:
MSDS Section(s) changed since last revision of document include: 3.

Disclaimer:
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Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)

MSDS Number: **B0335** * * * * * *Effective Date:* ***06/26/00*** * * * * * *Supercedes:* ***05/20/97***

MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

J.T.Baker ®

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. And Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

Barium, 1000 ug/mL (0.10% w/v)

1. Product Identification

Synonyms: None
CAS No.: Not applicable to mixtures.
Molecular Weight: 137.33
Chemical Formula: BaCO3 and HNO3 in H2O
Product Codes: 6920

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Barium Carbonate	513-77-9	< 1%	No
Nitric Acid	7697-37-2	1 - 2%	Yes
Water	7732-18-5	97 - 98%	No

3. Hazards Identification

Emergency Overview

DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR INHALED. VAPOR

IRRITATING TO EYES AND RESPIRATORY TRACT. INHALATION MAY CAUSE LUNG AND TOOTH DAMAGE.

J.T. Baker SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Life)
Flammability Rating: 0 - None
Reactivity Rating: 1 - Slight
Contact Rating: 3 - Severe (Corrosive)
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: White (Corrosive)

Potential Health Effects

Nitric acid is extremely hazardous; it is corrosive, reactive, an oxidizer, and a poison. The following hazards are for concentrated solutions. Hazards of less concentrated solutions may be reduced. Degree of hazard for reduced concentrations is not currently addressed in the available literature.

Inhalation:
Corrosive! Inhalation of vapors can cause coughing, choking, inflammation of the nose, throat, and upper respiratory tract, and in severe cases, pulmonary edema, circulatory failure, and death.
Ingestion:
Corrosive! Swallowing can cause immediate pain and burns of the mouth, throat, esophagus and gastrointestinal tract. May cause nausea, vomiting, and diarrhea, and in severe cases, death.
Skin Contact:
Corrosive! Can cause redness, pain, and severe skin burns. Concentrated solutions cause deep ulcers and stain skin a yellow or yellow-brown color.
Eye Contact:
Corrosive! Vapors are irritating and may cause damage to the eyes. Contact may cause severe burns and permanent eye damage.
Chronic Exposure:
Long-term exposure to concentrated vapors may cause erosion of teeth and lung damage. Long-term exposures seldom occur due to the corrosive properties of the acid.
Aggravation of Pre-existing Conditions:
Persons with pre-existing skin disorders, eye disease, or cardiopulmonary diseases may be more susceptible to the effects of this substance.

---

4. First Aid Measures

Immediate first aid treatment reduces the health effects of this substance.
Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion:

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin Contact:
Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eye Contact:
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

---

5. Fire Fighting Measures

Fire:
Not combustible, but concentrated material is a strong oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition.
Explosion:
Concentrated material reacts explosively with combustible organic or readily oxidizable materials such as: alcohols, turpentine, charcoal, organic refuse, metal powder, hydrogen sulfide, etc. Reacts with most metals to release hydrogen gas which can form explosive mixtures with air.
Fire Extinguishing Media:
Use any means suitable for extinguishing surrounding fire.
Special Information:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

---

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

---

7. Handling and Storage

Store in a cool, dry, ventilated storage area with acid resistant floors and good drainage. Protect from physical damage. Keep out of direct sunlight and away from heat, water, and incompatible materials. Do not wash out container and use it for other purposes. When diluting, the acid should always be added slowly to water and in small amounts. Never use

hot water and never add water to the acid. Water added to acid can cause uncontrolled boiling and splashing. When opening metal containers, use non-sparking tools because of the possibility of hydrogen gas being present. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

---

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
For Nitric Acid:
OSHA Permissible Exposure Limit (PEL):
2 ppm (TWA)
ACGIH Threshold Limit Value (TLV):
2 ppm (TWA); 4 ppm (STEL)
Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.
Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded, wear a supplied air, full-facepiece respirator, airlined hood, or full-facepiece self-contained breathing apparatus. Canister-type respirators using sorbents are ineffective.
Skin Protection:
Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.
Eye Protection:
Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

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9. Physical and Chemical Properties

Appearance:
Clear, colorless liquid.
Odor:
Odorless.
Solubility:
Complete (100%)
Specific Gravity:
No information found.
pH:
No information found.
% Volatiles by volume @ 21C (70F):
ca. 99
Boiling Point:
No information found.

Melting Point:
No information found.
Vapor Density (Air=1):
No information found.
Vapor Pressure (mm Hg):
No information found.
Evaporation Rate (BuAc=1):
No information found.

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10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:
When heated to decomposition, emits toxic nitrogen oxides fumes and hydrogen nitrate.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
A dangerously powerful oxidizing agent, concentrated nitric acid is incompatible with most substances, especially strong bases, metallic powders, carbides, hydrogen sulfide, turpentine, and combustible organics.
Conditions to Avoid:
Heat and incompatibles.

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11. Toxicological Information

For Nitric Acid: Investigated as a mutagen and reproductive effector.

--------\Cancer Lists\----------

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Barium Carbonate (513-77-9)	No	No	None
Nitric Acid (7697-37-2)	No	No	None
Water (7732-18-5)	No	No	None

---

12. Ecological Information

Environmental Fate:
No information found.
Environmental Toxicity:
No information found.

---

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

---

14. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

International (Water, I.M.O.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

International (Air, I.C.A.O.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

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15. Regulatory Information

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--------\Chemical Inventory Status - Part 1\---------------------------------
Ingredient                                    TSCA  EC   Japan  Australia
----------------------------------------------  ----  ---  -----  ---------
Barium Carbonate (513-77-9)                    Yes  Yes   Yes      Yes
Nitric Acid (7697-37-2)                        Yes  Yes   Yes      Yes
Water (7732-18-5)                              Yes  Yes   Yes      Yes

--------\Chemical Inventory Status - Part 2\---------------------------------
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Ingredient	Korea	--Canada-- DSL	NDSL	Phil.
Barium Carbonate (513-77-9)	Yes	Yes	No	Yes
Nitric Acid (7697-37-2)	Yes	Yes	No	Yes
Water (7732-18-5)	Yes	Yes	No	Yes

--------\Federal, State & International Regulations - Part 1\----------

Ingredient	-SARA 302- RQ	TPQ	------SARA 313------ List	Chemical Catg.
Barium Carbonate (513-77-9)	No	No	No	Barium compo
Nitric Acid (7697-37-2)	1000	1000	Yes	No
Water (7732-18-5)	No	No	No	No

--------\Federal, State & International Regulations - Part 2\----------

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Barium Carbonate (513-77-9)	No	No	No
Nitric Acid (7697-37-2)	1000	No	No
Water (7732-18-5)	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Mixture / Liquid)

Australian Hazchem Code: None allocated.
Poison Schedule: S6
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

---

16. Other Information

NFPA Ratings: Health: **3** Flammability: **0** Reactivity: **0**
Label Hazard Warning:
DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR INHALED. VAPOR IRRITATING TO EYES AND RESPIRATORY TRACT. INHALATION MAY CAUSE LUNG AND TOOTH DAMAGE.
Label Precautions:
Do not get in eyes, on skin, or on clothing.
Do not breathe vapor or mist.
Use only with adequate ventilation.
Wash thoroughly after handling.
Keep container closed.
Label First Aid:
In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is

difficult, give oxygen. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. In all cases get medical attention immediately.

Product Use:
Laboratory Reagent.

Revision Information:
MSDS Section(s) changed since last revision of document include: 3, 14, 16.

Disclaimer:
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Mallinckrodt Baker, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. MALLINCKRODT BAKER, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, MALLINCKRODT BAKER, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.
****

Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)

MSDS Number: **C5170** * * * * * *Effective Date:* ***02/23/06*** * * * * * *Supercedes:* ***02/12/04***

MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

Mallinckrodt CHEMICALS J.T.Baker

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. and Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

COPPER METAL

1. Product Identification

Synonyms: C.I. 77400; Arwood Copper
CAS No.: 7440-50-8
Molecular Weight: 63.546
Chemical Formula: Cu
Product Codes:
J.T. Baker: 1714, 1720, 1732, 1736
Mallinckrodt: 1733, 4649

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Copper	7440-50-8	90 - 100%	Yes

3. Hazards Identification

Emergency Overview

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION

TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS THE LIVER AND KIDNEYS. CHRONIC EXPOSURE MAY CAUSE TISSUE DAMAGE.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Life)
Flammability Rating: 1 - Slight
Reactivity Rating: 2 - Moderate
Contact Rating: 1 - Slight
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation:
Inhalation of dusts and fumes of metallic copper causes irritation of the upper respiratory tract, congestion of nasal mucous membranes, ulceration and perforation of the nasal septum, and pharyngeal congestion. Inhalation of copper fumes may give rise to metal fume fever (high temperature, metallic taste, nausea, coughing, general weakness, muscle aches, and exhaustion).
Ingestion:
Copper ingestion causes nausea, vomiting, abdominal pain, metallic taste, and diarrhea. Ingestion of large doses may cause stomach and intestine ulceration, jaundice, and kidney and liver damage.
Skin Contact:
Causes irritation to skin. Symptoms include redness, itching, and pain. Exposure to copper dust may cause a greenish-black skin discoloration.
Eye Contact:
Small copper particles in the eyes may cause irritation, discoloration, and damage.
Chronic Exposure:
Prolonged or repeated exposure to copper can discolor skin and hair and irritate the skin; may cause mild dermatitis, runny nose, and irritation of the mucous membranes. Repeated ingestion may damage the liver and kidneys. Repeated inhalation can cause chronic respiratory disease.
Aggravation of Pre-existing Conditions:
Persons with pre-existing skin disorders or impaired liver, kidney, or pulmonary function or pre-existing Wilson's disease may be more susceptible to the effects of this material.

---

4. First Aid Measures

Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:
Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.
Skin Contact:

Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Fire:

Not considered to be a fire hazard since the bulk solid does not burn, but very finely divided particles (ultra-fine powder) may burn in air.

Explosion:

Not considered to be an explosion hazard. Reactions with incompatibles may pose an explosion hazard. Liquid copper explodes on contact with water. High concentrations of finely divided copper particles in the air may present an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Avoid exposure to air and moisture. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

Copper Dust and Mists, as Cu:
- OSHA Permissible Exposure Limit (PEL) -
1 mg/m3 (TWA)
- ACGIH Threshold Limit Value (TLV) -
1 mg/m3 (TWA)
Copper Fume:
- OSHA Permissible Exposure Limit (PEL) -
0.1 mg/m3 (TWA)
- ACGIH Threshold Limit Value (TLV) -
0.2 mg/m3 (TWA)

Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded and engineering controls are not feasible, a full facepiece particulate respirator (NIOSH type N100 filters) may be worn for up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids. glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:
Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

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9. Physical and Chemical Properties

Appearance:
Reddish, metallic solid.

Odor:
Odorless.

Solubility:
Insoluble in water.

Density:
8.94

pH:
No information found.

% Volatiles by volume @ 21C (70F):
0

Boiling Point:
2595C (4703F)

Melting Point:
1083C (1981F)

Vapor Density (Air=1):
Not applicable.
Vapor Pressure (mm Hg):
1 @ 1628C (2962F)
Evaporation Rate (BuAc=1):
No information found.

---

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage. Copper becomes dull when exposed to air; on exposure to moist air it gradually converts to the carbonate. On long standing, a white, highly explosive peroxide deposit may form.
Hazardous Decomposition Products:
No information found.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
Copper is incompatible with oxidizers, alkalis, acetylene, chlorine plus oxygen difluoride, phosphorus, nitric acid, potassium peroxide, 1-bromo-2-propyne, sulfur plus chlorates. Reacts violently with ammonium nitrate, bromates, iodates, chlorates, ethylene oxide, hydrozoic acid, potassium oxide, dimethyl sulfoxide plus trichloroacetic acid, hydrogen peroxide, sodium peroxide, sodium azide, sulfuric acid, hydrogen sulfide plus air, and lead azide. A potentially explosive reaction occurs with actylenic compounds. Copper ignites on contact with chlorine, fluorine (above 121C), chlorine trifluoride, and hydrazinum nitrate (above 70C). An incandescent reaction occurs with potassium dioxide.
Conditions to Avoid:
Incompatibles and prolonged exposure to air and moisture.

---

11. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure. Investigated as a tumorigen and a reproductive effector.

--------\Cancer Lists\----------

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Copper (7440-50-8)	No	No	None

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12. Ecological Information

Environmental Fate:
No information found.

Environmental Toxicity:
No information found.

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13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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14. Transport Information

Not regulated.

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15. Regulatory Information

--------\Chemical Inventory Status - Part 1\---------------------------------

Ingredient	TSCA	EC	Japan	Australia
Copper (7440-50-8)	Yes	Yes	No	Yes

--------\Chemical Inventory Status - Part 2\---------------------------------

Ingredient	Korea	--Canada-- DSL	NDSL	Phil.
Copper (7440-50-8)	Yes	Yes	No	Yes

--------\Federal, State & International Regulations - Part 1\----------------

Ingredient	-SARA 302- RQ	TPQ	------SARA 313------ List	Chemical Catg.
Copper (7440-50-8)	No	No	Yes	No

--------\Federal, State & International Regulations - Part 2\----------------

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Copper (7440-50-8)	5000	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Pure / Solid)

Australian Hazchem Code: None allocated.
Poison Schedule: None allocated.

WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

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16. Other Information

NFPA Ratings: Health: **2** Flammability: **0** Reactivity: **0**
Label Hazard Warning:
WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS THE LIVER AND KIDNEYS. CHRONIC EXPOSURE MAY CAUSE TISSUE DAMAGE.
Label Precautions:
Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.
Avoid breathing dust or vapors.
Keep container closed.
Use only with adequate ventilation.
Label First Aid:
If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. In all cases, get medical attention.
Product Use:
Laboratory Reagent.
Revision Information:
MSDS Section(s) changed since last revision of document include: 3.
Disclaimer:
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Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)

MSDS Number: **L2347** * * * * * *Effective Date:* ***07/05/07*** * * * * * *Supercedes:* ***05/07/07***

MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

Mallinckrodt CHEMICALS J.T.Baker

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. and Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

LEAD METAL

1. Product Identification

Synonyms: Granular lead, pigment metal; C.I. 77575
CAS No.: 7439-92-1
Molecular Weight: 207.19
Chemical Formula: Pb
Product Codes:
J.T. Baker: 2256, 2266
Mallinckrodt: 5668

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Lead	7439-92-1	95 - 100%	Yes

3. Hazards Identification

Emergency Overview

POISON! DANGER! MAY BE FATAL IF SWALLOWED OR INHALED. CAUSES

IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. NEUROTOXIN. AFFECTS THE GUM TISSUE, CENTRAL NERVOUS SYSTEM, KIDNEYS, BLOOD AND REPRODUCTIVE SYSTEM. POSSIBLE CANCER HAZARD. MAY CAUSE CANCER BASED ON ANIMAL DATA. Risk of cancer depends on duration and level of exposure.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe (Cancer Causing)
Flammability Rating: 3 - Severe (Flammable)
Reactivity Rating: 1 - Slight
Contact Rating: 2 - Moderate (Life)
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: Red (Flammable)

Potential Health Effects

Inhalation:

Lead can be absorbed through the respiratory system. Local irritation of bronchia and lungs can occur and, in cases of acute exposure, symptoms such as metallic taste, chest and abdominal pain, and increased lead blood levels may follow. See also Ingestion.
Ingestion:
POISON! The symptoms of lead poisoning include abdominal pain and spasms, nausea, vomiting, headache. Acute poisoning can lead to muscle weakness, "lead line" on the gums, metallic taste, definite loss of appetite, insomnia, dizziness, high lead levels in blood and urine with shock, coma and death in extreme cases.
Skin Contact:
Lead and lead compounds may be absorbed through the skin on prolonged exposure; the symptoms of lead poisoning described for ingestion exposure may occur. Contact over short periods may cause local irritation, redness and pain.
Eye Contact:
Absorption can occur through eye tissues but the more common hazards are local irritation or abrasion.
Chronic Exposure:
Lead is a cumulative poison and exposure even to small amounts can raise the body's content to toxic levels. The symptoms of chronic exposure are like those of ingestion poisoning; restlessness, irritability, visual disturbances, hypertension and gray facial color may also be noted.
Aggravation of Pre-existing Conditions:
Persons with pre-existing kidney, nerve or circulatory disorders or with skin or eye problems may be more susceptible to the effects of this substance.

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4. First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact:

Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

---

5. Fire Fighting Measures

Fire:

Not considered to be a fire hazard. Powder/dust is flammable when heated or exposed to flame.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire. Do not allow water runoff to enter sewers or waterways.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Can produce toxic lead fumes at elevated temperatures and also react with oxidizing materials.

---

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

---

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Areas in which exposure to lead metal or lead compounds may occur should be identified by signs or appropriate means, and access to the area should be limited to authorized persons. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all

warnings and precautions listed for the product.

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8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
For lead, metal and inorganic dusts and fumes, as Pb:
-OSHA Permissible Exposure Limit (PEL): 0.05 mg/m3 (TWA)
For lead, elemental and inorganic compounds, as Pb:
-ACGIH Threshold Limit Value (TLV): 0.05 mg/m3 (TWA), A3 animal carcinogen
ACGIH Biological Exposure Indices (BEI): 30 ug/100ml, notation B (see actual Indices for more information).
For lead, inorganic:
-NIOSH Recommended Exposure Limit (REL): 0.1 mg/m3 (TWA)
Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.
Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded and engineering controls are not feasible, a half-face high efficiency particulate respirator (NIOSH type N100 filter) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece high efficiency particulate respirator (NIOSH type N100 filter) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.
Skin Protection:
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Eye Protection:
Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.
Other Control Measures:
Eating, drinking, and smoking should not be permitted in areas where solids or liquids containing lead compounds are handled, processed, or stored. See OSHA substance-specific standard for more information on personal protective equipment, engineering and work practice controls, medical surveillance, record keeping, and reporting requirements. (29 CFR 1910.1025).

---

9. Physical and Chemical Properties

Appearance:

Small, white to blue-gray metallic shot or granules.
Odor:
Odorless.
Solubility:
Insoluble in water.
Density:
11.34
pH:
No information found.
% Volatiles by volume @ 21C (70F):
0
Boiling Point:
1740C (3164F)
Melting Point:
327.5C (622F)
Vapor Density (Air=1):
No information found.
Vapor Pressure (mm Hg):
1.77 @ 1000C (1832F)
Evaporation Rate (BuAc=1):
No information found.

---

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:
Does not decompose but toxic lead or lead oxide fumes may form at elevated temperatures.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
Ammonium nitrate, chlorine trifluoride, hydrogen peroxide, sodium azide, zirconium, disodium acetylide, sodium acetylide and oxidants.
Conditions to Avoid:
Heat, flames, ignition sources and incompatibles.

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11. Toxicological Information

Toxicological Data:
Investigated as a tumorigen, mutagen, reproductive effector.
Reproductive Toxicity:
Lead and other smelter emissions are human reproductive hazards. (Chemical Council on Environmental Quality; Chemical Hazards to Human Reproduction, 1981).
Carcinogenicity:
EPA / IRIS classification: Group B2 - Probable human carcinogen, sufficient animal evidence.

--------\Cancer Lists\----------

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Lead (7439-92-1)	No	No	2B

12. Ecological Information

Environmental Fate:
When released into the soil, this material is not expected to leach into groundwater. This material may bioaccumulate to some extent.
Environmental Toxicity:
No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

--------\Chemical Inventory Status - Part 1\----------

Ingredient	TSCA	EC	Japan	Australia
Lead (7439-92-1)	Yes	Yes	Yes	Yes

--------\Chemical Inventory Status - Part 2\----------

Ingredient	Korea	--Canada-- DSL	NDSL	Phil.
Lead (7439-92-1)	Yes	Yes	No	Yes

--------\Federal, State & International Regulations - Part 1\----------

Ingredient	-SARA 302- RQ	TPQ	------SARA 313------ List	Chemical Catg.

Lead (7439-92-1)	No	No	Yes	No

\Federal, State & International Regulations - Part 2\

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Lead (7439-92-1)	10	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Pure / Solid)

WARNING:
THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

Australian Hazchem Code: None allocated.
Poison Schedule: S6
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

---

16. Other Information

NFPA Ratings: Health: **3** Flammability: **1** Reactivity: **0**
Label Hazard Warning:
POISON! DANGER! MAY BE FATAL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. NEUROTOXIN. AFFECTS THE GUM TISSUE, CENTRAL NERVOUS SYSTEM, KIDNEYS, BLOOD AND REPRODUCTIVE SYSTEM. POSSIBLE CANCER HAZARD. MAY CAUSE CANCER BASED ON ANIMAL DATA. Risk of cancer depends on duration and level of exposure.
Label Precautions:
Do not get in eyes, on skin, or on clothing.
Do not breathe dust.
Keep container closed.
Use only with adequate ventilation.
Wash thoroughly after handling.
Label First Aid:
If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. In all cases, get medical attention.
Product Use:
Laboratory Reagent.
Revision Information:
MSDS Section(s) changed since last revision of document include: 3.
Disclaimer:

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Mallinckrodt Baker, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. MALLINCKRODT BAKER, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, MALLINCKRODT BAKER, INC. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

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Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)

STANDARD SAFE WORK PRACTICES

1) Eating, drinking, chewing tobacco, smoking and carrying matches or lighters is prohibited in a contaminated or potentially contaminated area or where the possibility for the transfer of contamination exists.
2) Avoid contact with potentially contaminated substances. Do not walk through puddles, pools, mud, etc. Avoid, whenever possible, kneeling on the ground, leaning or sitting on equipment or ground. Do not place monitoring equipment on potentially contaminated surfaces (i.e., ground, etc).
3) All field crewmembers should make use of their senses to alert them to potentially dangerous situations in which they should not become involved; i.e., presence of strong and irritating or nauseating odors.
4) Prevent, to the extent possible, spills. In the event that a spill occurs, contain liquid if possible.
5) Field crewmembers shall be familiar with the physical characteristics of investigations, including:
   - Wind direction
   - Accessibility to associates, equipment, vehicles
   - Communication
   - Hot zone (areas of known or suspected contamination)
   - Site access
   - Nearest water sources
6) All wastes generated during activities on-site should be disposed of as directed by the project manager or his on-site representative.
7) Protective equipment as specified in the section on personnel protection will be utilized by workers during the initial site reconnaissance, and other activities.

APPENDIX C

Soil Boring Geologic Logs

Appendix C: Soil Boring Logs

Boring ID	Location	Depth of Boring	Soil Characteristics	Groundwater Encountered	PID Reading	Field Observations
B-1/ MW-1	Northwestern corner of the site. 20.5' south of northern boundary and 10' east of western boundary.	0-2	10% recovery. Medium brown sandy soil with concrete at tip.	No	0.0	Fill comprised of brick, concrete, asphalt fragments with some metal, plastic and wood from surface to 7'.
		2-4	10% recovery. Loose medium brown sandy soil with concrete at tip	No	0.0	No evidence of contamination
		4-6	50% recovery. Brick fragments mixed with medium brown sandy soil.	No	0.0	
		6-8	Asphalt fragments, brick, slightly moist medium brown sandy soil. Dark brown organic silt at 7.	No	0.0	
		8-22	Dark brown organic silt becoming moist at 18'.	Saturated at 20'	0.0	
		22-24	Saturated course gray mixed with layers of silt	Saturated	0.0	
		24-26	Yellowish gray silty clay becoming sandy	Saturated	0.0	
		26-34.5' bedrock refusal at 34'9"	Gray course sand with weathered bedrock at tip.	Saturated	0.0	
B-2/ TW-1	Central western portion of site. 81' south of northern boundary and 98' east of western boundary.	0-2	Fill (brick, concrete, asphalt) mixed with medium brown sandy soil.	No	0.0	Fill comprised of brick, concrete, asphalt fragments with some metal, plastic and wood from surface to 8'.
		2-4	Fill (brick, concrete, asphalt) mixed with medium brown sandy soil.	No	0.0	No evidence of contamination.
		4-6	10% recovery. Fill (brick, concrete, asphalt) mixed with medium brown sandy soil.	No	0.0	
		6-8	Zero recovery.	No	0.0	
		8-20	Dark gray organic silt.			
		20-30 bedrock refusal	Fine yellowish gray silty clay becoming sand.	Saturated at 20'	0.0	
B-3/ TW-2	Western edge of site. 12' east of western boundary and 51' from southern boundary	0-10	Fill with bricks, concrete, asphalt fragments.	No	0.0	Fill comprised of brick, concrete, asphalt fragments to 10'.
		10-29.5 bedrock refusal	Saturated, fine, medium brown silty sand.	Saturated at 10'	0.0	No evidence of contamination.
B-4 /MW-2	Northeast portion of site, 75' south of northern boundary and 30' west of western boundary.	0-2	Medium brown sandy soil mixed with fill.	No	0.0	Fill comprised of brick, concrete, asphalt fragments to 9'.
		2-9 bedrock refusal.	Fill comprised of brick, concrete and asphalt fragments.	Moist at 9'	0.0	No evidence of contamination.

Boring ID	Location	Depth of Boring	Soil Characteristics	Groundwater Encountered	PID Reading	Field Observations
B-5/MW-3	Central southern portion of site. 100' east of western boundary and 28' north of southern boundary.	0-11 11-17 17-27	Fill comprised of brick, asphalt, concrete and stone fragments. Heavy dark brown organic silt. Yellowish medium brown sand.	No Saturated at 17 Saturated	0.0 0.0 0.0	Fill comprised of brick, concrete, asphalt fragments to 11'. No evidence of contamination.
B-6	Central northwestern portion of site. 83' from northern boundary and 46' from western boundary.	0-4 4-6.8 refusal	Fill with dark brown soil, stone and pale yellowish gray sand. Wood at tip. Wood fragments, dark brown soil . Concrete at tip.	No No	0.0 0.0	Fill comprised of brick, wood, concrete, asphalt fragments. No evidence of contamination.
B-7	Central southwestern portion of site. 58' from the western property line and 65' from the southern property line.	0-4 4-8 8-10.5 refusal	Rock fragments above fill comprised of brick and stone fragments. Rock fragments above fill comprised of brick and stone fragments. Wood fragments at 5.5' and 7'. Dark gray sand becoming finer. Concrete at tip.	No No No	0.0 0.0 0.0	Fill comprised of brick, wood, concrete, asphalt fragments. No evidence of contamination.
B-8	Central portion of site. 103' from the western property line and 73' north of the southern property line.	0-4 4-8 8-16 16-20 20-24	Very fine medium brown sand mixed with fill. Zero recovery. 5% recovery. Fine medium brown silty sand. Dark gray silty clay becoming darker to 18' , then medium coarse sands. Medium brown clay to 21' and then saturated gray sand.	No No No No Saturated at 21'	0.0 0.0 0.0 0.0 0.0	Fill comprised of brick, wood, concrete, asphalt fragments. No evidence of contamination.
B-9	In central portion of site 85' west of eastern boundary and 94' south of northern boundary.	0-8 8-15.5 refusal	Concrete breech. Dark brown soil with brick and concrete fragments. Fabric and plastic fragments present in fill. Dark brown soil becoming dense and silty with depth.	No No	0.0 0.0	Fabric and plastic fragments present in fill. No evidence of contamination.
B-10	Northeastern portion of property. 25' south of northern property line and 106' west of eastern property line.	0-5.5 refusal	Concrete breech. Dark brown soil with brick and concrete fragments.	No	0.0	Fill comprised of brick, wood, concrete, asphalt fragments. No evidence of contamination.

Boring ID	Location	Depth of Boring	Soil Characteristics	Groundwater Encountered	PID Reading	Field Observations
B-11	Southeastern portion of site.	0-4 4-7.5 bedrock refusal	Topsoil with gray powdered rock to 2' and then medium brownish green sand. Powdered rock above fine light brown sand with concrete fragments.	No No	0.0 0.0	No evidence of contamination.
B-12	Southern central portion of property. 151' east of western property line and 30' north of southern property line.	0-8 8-12	Ash with cinders and brick fragments mixed with coarse yellowish brown sand. Fill ends at 10' then heavy silty clay with 6" of sand at tip.	No No	0.0 0.0	Fill comprised of ash, cinders, brick, wood, concrete, asphalt fragments. No evidence of contamination.
B-13	Southwest corner of site. 22' east of western property line and 21' north of southern property line.	0-8 8-14	Brick and fill mixed with coarse dark brown sand and wood fragments. Coarse dark sand and silt.	No No	0.0 0.0	Fill comprised of brick, wood, concrete, asphalt fragments. No evidence of contamination.

APPENDIX D

Groundwater Sampling and Well Purging Logs

Appendix D: Groundwater Sampling Logs

Well ID	Location	Depth of Well	Depth to Groundwater from top of PVC	Volume Purged (gallons)	PID Reading	Field Observations
MW-1	Northwestern corner of the site. 20.5' south of northern boundary and 10' east of western boundary.	35' 9"	18.35'	9	0.0	Cloudy purge becoming clear. No evidence of contamination
MW-3	Central southern portion of site. 100' east of western boundary and 28' north of southern boundary.	27'	18.40'	5	0.0	Cloudy purge becoming clear. No evidence of contamination
TW-2	Western edge of site. 12' east of western boundary and 51' from southern boundary	20'	11.26'	5	0.0	Cloudy purge becoming clear. No evidence of contamination

Note: Per the Workplan, three of the five groundwater sampling points were sampled. MW-2 was discovered to be dry and could not therefore be sampled and temporary monitoring point TW-2 was sampled instead.

APPENDIX E

Soil Vapor Sampling Logs

Appendix E: Soil Vapor Sampling Logs

Boring ID	Location	Depth of Sample*	Summa Canister Vacuums	Groundwater Encountered	PID Reading	Field Observations
SV-1	18' north of TW- 2 and 25' east of western property line	9'	28 psi at start 3 psi at end	No	0.0	No evidence of contamination
SV-2	Southwest corner of site. 22' east of western property line and 21' north of southern property line.	14'	30 psi at start 2 psi at end	No	0.0	No evidence of contamination
SV-3	Southeast corner of site. 15' north of southern property line and 28.5' west of eastern property line.	14'	30 psi at start 2 psi at end	No	0.0	No evidence of contamination
SV-4	Central portion of property (in area of concrete pavement). 94' west of MW-2 and 106' south of northern property line.	14'	31 psi at start 3 psi at end	No	0.0	No evidence of contamination
SV-5	Eastern portion of site. 7.5' west of eastern property line and 39' southwest of MW-2.	14'	31 psi at start 3 psi at end	No	0.0	No evidence of contamination
SV-6	Northern central portion of property. 152' west of eastern property line and 12' south of northern property line.	14'	29 psi at start 2 psi at end	No	0.0	No evidence of contamination

- Soil vapor sample depths were based on the proposed maximum depth of construction excavations. Sample SV1 was collected at a shallower depth of 9' because of the presence of shallow groundwater in that location.

APPENDIX F

Laboratory Data Deliverables

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

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

Report Date: 03/11/2011
Client Project ID: SB10180.40
York Project (SDG) No.: 11C0083

Report Date: 03/11/2011
Client Project ID: SB10180.40
York Project (SDG) No.: 11C0083

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 02, 2011 and listed below. The project was identified as your project: **SB10180.40**.

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
11C0083-01	SV-1	Air	02/22/2011	03/02/2011
11C0083-02	SV-2	Air	03/01/2011	03/02/2011
11C0083-03	SV-3	Air	03/01/2011	03/02/2011
11C0083-04	SV-4	Air	03/01/2011	03/02/2011
11C0083-05	SV-5	Air	03/01/2011	03/02/2011
11C0083-06	SV-6	Air	03/01/2011	03/02/2011
11C0083-07	B-6 (0-2)	Soil	02/22/2011	03/02/2011
11C0083-08	B-6 (6-8)	Soil	02/22/2011	03/02/2011
11C0083-09	B-7 (0-2)	Soil	02/22/2011	03/02/2011
11C0083-10	B-7 (10.5)	Soil	02/22/2011	03/02/2011
11C0083-11	B-8 (0-2)	Soil	02/22/2011	03/02/2011
11C0083-12	B-8 (20-21)	Soil	02/22/2011	03/02/2011
11C0083-13	B-9 (0-2)	Soil	02/22/2011	03/02/2011
11C0083-14	B-9 (15.5)	Soil	02/22/2011	03/02/2011
11C0083-16	B-11 (0-2)	Soil	02/22/2011	03/02/2011
11C0083-17	B-11 (7.5)	Soil	02/22/2011	03/02/2011
11C0083-18	B-12 (0-2)	Soil	02/22/2011	03/02/2011
11C0083-19	B-12 (9-10)	Soil	02/22/2011	03/02/2011
11C0083-20	B-13 (0-2)	Soil	03/01/2011	03/02/2011
11C0083-21	B-13 (10)	Soil	03/01/2011	03/02/2011
11C0083-22	MW-1	Water	03/01/2011	03/02/2011
11C0083-23	TW-2	Water	03/01/2011	03/02/2011
11C0083-24	MW-3	Water	03/01/2011	03/02/2011

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
11C0083-25	Dup	Water	03/01/2011	03/02/2011
11C0083-26	Field Blank	Water	03/01/2011	03/02/2011
11C0083-27	Trip Blank	Water	03/01/2011	03/02/2011

General Notes for York Project (SDG) No.: 11C0083

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

Approved By: 

Date: 03/11/2011

Robert Q. Bradley
Managing Director

YORK

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 11C0083-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	February 22, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	24	47	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	27	59	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	33	65	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	26	47	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	17	35	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	12	34	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	20	63	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	24	42	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	21	51	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	12	35	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	29	39	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	32	60	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	19	42	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
106-99-0	1,3-Butadiene	ND		ug/m³	31	37	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	24	51	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	35	51	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
123-91-1	1,4-Dioxane	ND		ug/m³	57	120	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	16	40	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
78-93-3	2-Butanone	ND		ug/m³	12	25	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
591-78-6	2-Hexanone	ND		ug/m³	36	70	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
107-05-1	3-Chloropropene	ND		ug/m³	5.9	27	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	35	70	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
67-64-1	**Acetone**	**35**		ug/m³	8.5	20	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
71-43-2	Benzene	ND		ug/m³	20	27	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
100-44-7	Benzyl chloride	ND		ug/m³	39	88	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
75-27-4	Bromodichloromethane	ND		ug/m³	19	53	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
75-25-2	Bromoform	ND		ug/m³	39	88	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
74-83-9	Bromomethane	ND		ug/m³	17	33	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
75-15-0	Carbon disulfide	ND		ug/m³	5.9	27	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	20	54	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
108-90-7	Chlorobenzene	ND		ug/m³	26	39	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
75-00-3	Chloroethane	ND		ug/m³	21	23	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
67-66-3	Chloroform	ND		ug/m³	18	42	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
74-87-3	Chloromethane	ND		ug/m³	10	18	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 11C0083-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	February 22, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	17	34	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	20	39	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
110-82-7	Cyclohexane	ND		ug/m³	11	29	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	25	42	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
141-78-6	Ethyl acetate	ND		ug/m³	14	31	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
100-41-4	Ethyl Benzene	ND		ug/m³	22	37	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	51	91	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
67-63-0	Isopropanol	ND		ug/m³	20	42	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	15	31	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
75-09-2	**Methylene chloride**	**23**	J, B	ug/m³	12	30	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
142-82-5	**n-Heptane**	**76**		ug/m³	14	35	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
110-54-3	**n-Hexane**	**300**		ug/m³	19	30	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
95-47-6	o-Xylene	ND		ug/m³	26	37	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m³	59	74	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	7.6	42	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
115-07-01	**Propylene**	**430**		ug/m³	19	29	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
100-42-5	Styrene	ND		ug/m³	21	36	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	24	58	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
109-99-9	Tetrahydrofuran	ND		ug/m³	21	50	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
108-88-3	Toluene	ND		ug/m³	17	32	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	22	34	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	12	39	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
79-01-6	Trichloroethylene	ND		ug/m³	22	46	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	24	48	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
108-05-4	Vinyl acetate	ND		ug/m³	7.8	30	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
593-60-2	Vinyl bromide	ND		ug/m³	16	37	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD
75-01-4	Vinyl Chloride	ND		ug/m³	14	22	16.8	EPA Compendium TO-15	03/10/2011 12:41	03/10/2011 12:41	TD

Sample Information

Client Sample ID: SV-1 **York Sample ID:** 11C0083-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	February 22, 2011 3:00 pm	03/02/2011

Helium

Log-in Notes:

Sample Notes:

Sample Prepared by Method: GC PREP for GASES by GC/TCD/FPD/FID

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-59-7	Helium	ND		%	0.50	0.50	1	GC/TCD	03/07/2011 11:47	03/07/2011 11:47	JW

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 11C0083-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	2.4	4.6	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.6	5.8	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	3.2	6.4	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	2.6	4.6	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.6	3.4	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.1	3.3	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.0	6.2	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	2.3	4.1	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	2.0	5.0	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.2	3.4	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	2.9	3.9	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	3.2	5.9	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.9	4.1	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
106-99-0	1,3-Butadiene	ND		ug/m³	3.1	3.6	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	2.3	5.0	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	3.4	5.0	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
123-91-1	1,4-Dioxane	ND		ug/m³	5.6	12	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	1.6	3.9	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
78-93-3	**2-Butanone**	**6.9**		ug/m³	1.2	2.5	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
591-78-6	2-Hexanone	ND		ug/m³	3.5	6.9	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
107-05-1	3-Chloropropene	ND		ug/m³	0.58	2.6	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	3.4	6.9	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
67-64-1	**Acetone**	**1.2**	J	ug/m³	0.84	2.0	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
71-43-2	Benzene	ND		ug/m³	2.0	2.7	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 11C0083-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-44-7	Benzyl chloride	ND		ug/m³	3.8	8.7	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
75-27-4	Bromodichloromethane	ND		ug/m³	1.9	5.2	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
75-25-2	Bromoform	ND		ug/m³	3.8	8.7	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
74-83-9	Bromomethane	ND		ug/m³	1.6	3.3	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
75-15-0	Carbon disulfide	ND		ug/m³	0.57	2.6	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	2.0	5.3	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
108-90-7	Chlorobenzene	ND		ug/m³	2.5	3.9	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
75-00-3	Chloroethane	ND		ug/m³	2.0	2.2	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
67-66-3	**Chloroform**	**2.4**	J	ug/m³	1.7	4.1	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
74-87-3	Chloromethane	ND		ug/m³	1.0	1.7	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.7	3.3	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.0	3.8	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
110-82-7	Cyclohexane	ND		ug/m³	1.0	2.9	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
75-71-8	**Dichlorodifluoromethane**	**2.6**	J	ug/m³	2.4	4.1	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
141-78-6	Ethyl acetate	ND		ug/m³	1.3	3.0	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
100-41-4	Ethyl Benzene	ND		ug/m³	2.2	3.6	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	5.0	8.9	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
67-63-0	**Isopropanol**	**8.6**		ug/m³	1.9	4.1	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.5	3.0	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
75-09-2	**Methylene chloride**	**3.8**	B	ug/m³	1.2	2.9	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
142-82-5	n-Heptane	ND		ug/m³	1.4	3.4	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
110-54-3	n-Hexane	ND		ug/m³	1.9	3.0	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
95-47-6	o-Xylene	ND		ug/m³	2.6	3.6	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m³	5.8	7.3	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
622-96-8	**p-Ethyltoluene**	**1.8**	J	ug/m³	0.74	4.1	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
115-07-01	**Propylene**	**2.4**	J	ug/m³	1.8	2.9	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
100-42-5	Styrene	ND		ug/m³	2.1	3.6	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	2.4	5.7	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
109-99-9	**Tetrahydrofuran**	**3.9**	J	ug/m³	2.0	4.9	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
108-88-3	**Toluene**	**3.1**	J	ug/m³	1.7	3.2	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.1	3.3	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.1	3.8	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
79-01-6	Trichloroethylene	ND		ug/m³	2.2	4.5	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	2.4	4.7	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.77	3.0	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD

Sample Information

Client Sample ID: SV-2 **York Sample ID:** 11C0083-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m³	1.6	3.7	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD
75-01-4	Vinyl Chloride	ND		ug/m³	1.4	2.1	1.65	EPA Compendium TO-15	03/11/2011 09:11	03/11/2011 09:11	TD

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

Sample Prepared by Method: GC PREP for GASES by GC/TCD/FPD/FID

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-59-7	Helium	ND		%	0.50	0.50	1	GC/TCD	03/07/2011 11:47	03/07/2011 11:47	JW

Sample Information

Client Sample ID: SV-3 **York Sample ID:** 11C0083-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	2.4	4.6	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.6	5.8	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	3.2	6.4	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	2.6	4.6	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.6	3.4	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.1	3.3	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.0	6.2	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	2.3	4.1	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	2.0	5.0	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.2	3.4	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	2.9	3.9	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	3.2	5.9	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.9	4.1	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
106-99-0	1,3-Butadiene	ND		ug/m³	3.1	3.6	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	2.3	5.0	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	3.4	5.0	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
123-91-1	1,4-Dioxane	ND		ug/m³	5.6	12	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	1.6	3.9	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
78-93-3	**2-Butanone**	**11**		ug/m³	1.2	2.5	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD

Sample Information

Client Sample ID: SV-3 **York Sample ID:** 11C0083-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/m³	3.5	6.9	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
107-05-1	3-Chloropropene	ND		ug/m³	0.58	2.6	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	3.4	6.9	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
67-64-1	**Acetone**	**3.0**		ug/m³	0.84	2.0	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
71-43-2	**Benzene**	**4.2**		ug/m³	2.0	2.7	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
100-44-7	Benzyl chloride	ND		ug/m³	3.8	8.7	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
75-27-4	Bromodichloromethane	ND		ug/m³	1.9	5.2	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
75-25-2	Bromoform	ND		ug/m³	3.8	8.7	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
74-83-9	Bromomethane	ND		ug/m³	1.6	3.3	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
75-15-0	**Carbon disulfide**	**1.4**	J	ug/m³	0.57	2.6	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	2.0	5.3	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
108-90-7	Chlorobenzene	ND		ug/m³	2.5	3.9	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
75-00-3	Chloroethane	ND		ug/m³	2.0	2.2	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
67-66-3	**Chloroform**	**9.7**		ug/m³	1.7	4.1	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
74-87-3	Chloromethane	ND		ug/m³	1.0	1.7	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.7	3.3	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.0	3.8	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
110-82-7	Cyclohexane	ND		ug/m³	1.0	2.9	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
75-71-8	**Dichlorodifluoromethane**	**2.8**	J	ug/m³	2.4	4.1	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
141-78-6	**Ethyl acetate**	**3.3**		ug/m³	1.3	3.0	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
100-41-4	**Ethyl Benzene**	**2.6**	J	ug/m³	2.2	3.6	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	5.0	8.9	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
67-63-0	**Isopropanol**	**21**		ug/m³	1.9	4.1	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.5	3.0	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
75-09-2	**Methylene chloride**	**57**	B	ug/m³	1.2	2.9	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
142-82-5	**n-Heptane**	**1.6**	J	ug/m³	1.4	3.4	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
110-54-3	**n-Hexane**	**8.3**		ug/m³	1.9	3.0	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
95-47-6	**o-Xylene**	**3.9**		ug/m³	2.6	3.6	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
1330-20-7P/M	**p- & m- Xylenes**	**8.1**		ug/m³	5.8	7.3	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
622-96-8	**p-Ethyltoluene**	**2.8**	J	ug/m³	0.74	4.1	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
115-07-01	**Propylene**	**16**		ug/m³	1.8	2.9	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
100-42-5	Styrene	ND		ug/m³	2.1	3.6	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
127-18-4	**Tetrachloroethylene**	**3.1**	J	ug/m³	2.4	5.7	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
109-99-9	**Tetrahydrofuran**	**3.2**	J	ug/m³	2.0	4.9	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
108-88-3	**Toluene**	**5.3**		ug/m³	1.7	3.2	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.1	3.3	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD

Sample Information

Client Sample ID: SV-3 **York Sample ID:** 11C0083-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.1	3.8	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
79-01-6	Trichloroethylene	ND		ug/m³	2.2	4.5	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	2.4	4.7	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
108-05-4	**Vinyl acetate**	**4.5**		ug/m³	0.77	3.0	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
593-60-2	Vinyl bromide	ND		ug/m³	1.6	3.7	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD
75-01-4	Vinyl Chloride	ND		ug/m³	1.4	2.1	1.65	EPA Compendium TO-15	03/11/2011 09:54	03/11/2011 09:54	TD

Helium

Log-in Notes:

Sample Notes:

Sample Prepared by Method: GC PREP for GASES by GC/TCD/FPD/FID

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-59-7	Helium	ND		%	0.50	0.50	1	GC/TCD	03/07/2011 11:47	03/07/2011 11:47	JW

Sample Information

Client Sample ID: SV-4 **York Sample ID:** 11C0083-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	2.4	4.6	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
79-34-5	**1,1,2,2-Tetrachloroethane**	**4.0**	J	ug/m³	2.6	5.8	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	3.2	6.4	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	2.6	4.6	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.6	3.4	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.1	3.3	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.0	6.2	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	2.3	4.1	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	2.0	5.0	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.2	3.4	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	2.9	3.9	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	3.2	5.9	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.9	4.1	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
106-99-0	1,3-Butadiene	ND		ug/m³	3.1	3.6	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	2.3	5.0	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD

Sample Information

Client Sample ID: SV-4 **York Sample ID:** 11C0083-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	3.4	5.0	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
123-91-1	1,4-Dioxane	ND		ug/m³	5.6	12	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	1.6	3.9	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
78-93-3	**2-Butanone**	**6.7**		ug/m³	1.2	2.5	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
591-78-6	**2-Hexanone**	**3.6**	J	ug/m³	3.5	6.9	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
107-05-1	3-Chloropropene	ND		ug/m³	0.58	2.6	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	3.4	6.9	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
67-64-1	Acetone	ND		ug/m³	0.84	2.0	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
71-43-2	**Benzene**	**3.4**		ug/m³	2.0	2.7	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
100-44-7	Benzyl chloride	ND		ug/m³	3.8	8.7	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
75-27-4	Bromodichloromethane	ND		ug/m³	1.9	5.2	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
75-25-2	Bromoform	ND		ug/m³	3.8	8.7	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
74-83-9	Bromomethane	ND		ug/m³	1.6	3.3	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
75-15-0	**Carbon disulfide**	**1.9**	J	ug/m³	0.57	2.6	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	2.0	5.3	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
108-90-7	Chlorobenzene	ND		ug/m³	2.5	3.9	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
75-00-3	Chloroethane	ND		ug/m³	2.0	2.2	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
67-66-3	Chloroform	ND		ug/m³	1.7	4.1	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
74-87-3	Chloromethane	ND		ug/m³	1.0	1.7	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.7	3.3	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.0	3.8	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
110-82-7	Cyclohexane	ND		ug/m³	1.0	2.9	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	2.4	4.1	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
141-78-6	Ethyl acetate	ND		ug/m³	1.3	3.0	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
100-41-4	Ethyl Benzene	ND		ug/m³	2.2	3.6	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	5.0	8.9	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
67-63-0	**Isopropanol**	**2.2**	J	ug/m³	1.9	4.1	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.5	3.0	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
75-09-2	**Methylene chloride**	**6.6**	B	ug/m³	1.2	2.9	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
142-82-5	n-Heptane	ND		ug/m³	1.4	3.4	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
110-54-3	**n-Hexane**	**2.0**	J	ug/m³	1.9	3.0	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
95-47-6	o-Xylene	ND		ug/m³	2.6	3.6	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m³	5.8	7.3	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	0.74	4.1	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
115-07-01	**Propylene**	**12**		ug/m³	1.8	2.9	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD

Sample Information

Client Sample ID: SV-4 **York Sample ID:** 11C0083-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/m³	2.1	3.6	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	2.4	5.7	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
109-99-9	**Tetrahydrofuran**	**2.8**	J	ug/m³	2.0	4.9	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
108-88-3	**Toluene**	**4.7**		ug/m³	1.7	3.2	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.1	3.3	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.1	3.8	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
79-01-6	Trichloroethylene	ND		ug/m³	2.2	4.5	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	2.4	4.7	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.77	3.0	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
593-60-2	Vinyl bromide	ND		ug/m³	1.6	3.7	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD
75-01-4	Vinyl Chloride	ND		ug/m³	1.4	2.1	1.65	EPA Compendium TO-15	03/11/2011 10:37	03/11/2011 10:37	TD

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

Sample Prepared by Method: GC PREP for GASES by GC/TCD/FPD/FID

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-59-7	Helium	ND		%	0.50	0.50	1	GC/TCD	03/07/2011 11:47	03/07/2011 11:47	JW

Sample Information

Client Sample ID: SV-5 **York Sample ID:** 11C0083-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	2.4	4.6	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.6	5.8	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	3.2	6.4	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	2.6	4.6	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.6	3.4	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.1	3.3	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.0	6.2	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	2.3	4.1	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	2.0	5.0	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.2	3.4	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD

Sample Information

Client Sample ID: SV-5 **York Sample ID:** 11C0083-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/m³	2.9	3.9	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	3.2	5.9	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.9	4.1	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
106-99-0	**1,3-Butadiene**	**10**		ug/m³	3.1	3.6	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	2.3	5.0	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	3.4	5.0	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
123-91-1	1,4-Dioxane	ND		ug/m³	5.6	12	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	1.6	3.9	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
78-93-3	**2-Butanone**	**41**		ug/m³	1.2	2.5	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
591-78-6	**2-Hexanone**	**17**		ug/m³	3.5	6.9	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
107-05-1	**3-Chloropropene**	**2.4**	J	ug/m³	0.58	2.6	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	3.4	6.9	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
67-64-1	**Acetone**	**180**		ug/m³	0.84	2.0	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
71-43-2	**Benzene**	**11**		ug/m³	2.0	2.7	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
100-44-7	Benzyl chloride	ND		ug/m³	3.8	8.7	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
75-27-4	**Bromodichloromethane**	**2.6**	J	ug/m³	1.9	5.2	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
75-25-2	Bromoform	ND		ug/m³	3.8	8.7	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
74-83-9	Bromomethane	ND		ug/m³	1.6	3.3	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
75-15-0	**Carbon disulfide**	**6.2**		ug/m³	0.57	2.6	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	2.0	5.3	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
108-90-7	Chlorobenzene	ND		ug/m³	2.5	3.9	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
75-00-3	Chloroethane	ND		ug/m³	2.0	2.2	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
67-66-3	Chloroform	ND		ug/m³	1.7	4.1	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
74-87-3	Chloromethane	ND		ug/m³	1.0	1.7	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.7	3.3	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.0	3.8	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
110-82-7	**Cyclohexane**	**1.2**	J	ug/m³	1.0	2.9	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
75-71-8	**Dichlorodifluoromethane**	**2.4**	J	ug/m³	2.4	4.1	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
141-78-6	Ethyl acetate	ND		ug/m³	1.3	3.0	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
100-41-4	**Ethyl Benzene**	**3.4**	J	ug/m³	2.2	3.6	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	5.0	8.9	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
67-63-0	**Isopropanol**	**4.7**		ug/m³	1.9	4.1	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.5	3.0	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
75-09-2	**Methylene chloride**	**19**	B	ug/m³	1.2	2.9	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
142-82-5	n-Heptane	ND		ug/m³	1.4	3.4	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD

Sample Information

Client Sample ID: SV-5 **York Sample ID:** 11C0083-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-54-3	n-Hexane	ND		ug/m³	1.9	3.0	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
95-47-6	**o-Xylene**	**3.5**	J	ug/m³	2.6	3.6	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
1330-20-7P/M	**p- & m- Xylenes**	**8.9**		ug/m³	5.8	7.3	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
622-96-8	**p-Ethyltoluene**	**2.0**	J	ug/m³	0.74	4.1	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
115-07-01	**Propylene**	**220**		ug/m³	1.8	2.9	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
100-42-5	Styrene	ND		ug/m³	2.1	3.6	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	2.4	5.7	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
109-99-9	Tetrahydrofuran	ND		ug/m³	2.0	4.9	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
108-88-3	**Toluene**	**13**		ug/m³	1.7	3.2	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.1	3.3	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.1	3.8	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
79-01-6	Trichloroethylene	ND		ug/m³	2.2	4.5	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	2.4	4.7	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
108-05-4	**Vinyl acetate**	**5.8**		ug/m³	0.77	3.0	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
593-60-2	Vinyl bromide	ND		ug/m³	1.6	3.7	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD
75-01-4	Vinyl Chloride	ND		ug/m³	1.4	2.1	1.65	EPA Compendium TO-15	03/11/2011 11:22	03/11/2011 11:22	TD

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

Sample Prepared by Method: GC PREP for GASES by GC/TCD/FPD/FID

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-59-7	Helium	ND		%	0.50	0.50	1	GC/TCD	03/07/2011 11:47	03/07/2011 11:47	JW

Sample Information

Client Sample ID: SV-6 **York Sample ID:** 11C0083-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	2.9	5.5	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	3.2	6.9	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	3.9	7.7	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	3.1	5.5	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	2.0	4.1	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD

Sample Information

Client Sample ID: SV-6 **York Sample ID:** 11C0083-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.4	4.0	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.4	7.5	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	2.8	5.0	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	2.4	6.1	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.5	4.1	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	3.4	4.7	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	3.8	7.0	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	2.3	5.0	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
106-99-0	1,3-Butadiene	ND		ug/m³	3.7	4.4	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	2.8	6.1	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	4.1	6.1	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
123-91-1	1,4-Dioxane	ND		ug/m³	6.7	15	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	1.9	4.7	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
78-93-3	**2-Butanone**	**5.0**		ug/m³	1.4	3.0	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
591-78-6	**2-Hexanone**	**31**		ug/m³	4.2	8.2	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
107-05-1	3-Chloropropene	ND		ug/m³	0.69	3.2	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	4.1	8.2	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
67-64-1	**Acetone**	**35**		ug/m³	1.0	2.4	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
71-43-2	Benzene	ND		ug/m³	2.4	3.2	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
100-44-7	Benzyl chloride	ND		ug/m³	4.6	10	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
75-27-4	Bromodichloromethane	ND		ug/m³	2.3	6.3	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
75-25-2	Bromoform	ND		ug/m³	4.6	10	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
74-83-9	Bromomethane	ND		ug/m³	2.0	3.9	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
75-15-0	Carbon disulfide	ND		ug/m³	0.69	3.1	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	2.4	6.3	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
108-90-7	Chlorobenzene	ND		ug/m³	3.1	4.6	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
75-00-3	Chloroethane	ND		ug/m³	2.4	2.7	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
67-66-3	Chloroform	ND		ug/m³	2.1	4.9	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
74-87-3	Chloromethane	ND		ug/m³	1.2	2.1	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	2.0	4.0	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.4	4.6	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
110-82-7	Cyclohexane	ND		ug/m³	1.2	3.5	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	2.9	5.0	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
141-78-6	**Ethyl acetate**	**5.2**		ug/m³	1.6	3.6	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
100-41-4	Ethyl Benzene	ND		ug/m³	2.6	4.4	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD

Sample Information

Client Sample ID: SV-6 **York Sample ID:** 11C0083-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Air	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, EPA TO15 List

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

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	6.0	11	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
67-63-0	Isopropanol	ND		ug/m³	2.3	5.0	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.8	3.6	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
75-09-2	**Methylene chloride**	**2.7**	J, B	ug/m³	1.4	3.5	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
142-82-5	n-Heptane	ND		ug/m³	1.7	4.1	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
110-54-3	**n-Hexane**	**2.6**	J	ug/m³	2.3	3.5	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
95-47-6	**o-Xylene**	**3.5**	J	ug/m³	3.1	4.4	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m³	6.9	8.7	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
622-96-8	**p-Ethyltoluene**	**2.9**	J	ug/m³	0.89	5.0	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
115-07-01	**Propylene**	**7.9**		ug/m³	2.2	3.5	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
100-42-5	Styrene	ND		ug/m³	2.5	4.3	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	2.9	6.8	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
109-99-9	**Tetrahydrofuran**	**3.9**	J	ug/m³	2.4	5.9	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
108-88-3	**Toluene**	**3.0**	J	ug/m³	2.0	3.8	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.6	4.0	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.4	4.6	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
79-01-6	Trichloroethylene	ND		ug/m³	2.6	5.4	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	2.8	5.7	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
108-05-4	**Vinyl acetate**	**1.4**	J	ug/m³	0.92	3.5	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
593-60-2	Vinyl bromide	ND		ug/m³	1.9	4.4	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD
75-01-4	Vinyl Chloride	ND		ug/m³	1.7	2.6	1.98	EPA Compendium TO-15	03/11/2011 12:05	03/11/2011 12:05	TD

Helium

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

Sample Prepared by Method: GC PREP for GASES by GC/TCD/FPD/FID

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-59-7	Helium	ND		%	0.50	0.50	1	GC/TCD	03/07/2011 11:47	03/07/2011 11:47	JW

Sample Information

Client Sample ID: B-6 (0-2) **York Sample ID:** 11C0083-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS

Sample Information

Client Sample ID: B-6 (0-2) **York Sample ID:** 11C0083-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.87	22	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.1	22	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
95-63-6	**1,2,4-Trimethylbenzene**	**1.8**	J	ug/kg dry	1.2	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.1	22	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.52	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.87	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
71-43-2	Benzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.9	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.82	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
67-66-3	Chloroform	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS

Sample Information

Client Sample ID: **B-6 (0-2)** **York Sample ID:** **11C0083-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.82	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.82	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.92	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.90	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
75-09-2	**Methylene chloride**	**21**	J, B	ug/kg dry	2.5	22	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
91-20-3	**Naphthalene**	**55**		ug/kg dry	1.2	22	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.75	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
1330-20-7P/M	**p- & m- Xylenes**	**4.3**	J	ug/kg dry	1.3	22	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.59	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
100-42-5	Styrene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
108-88-3	Toluene	ND		ug/kg dry	0.54	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS
1330-20-7	**Xylenes, Total**	**4.3**	J	ug/kg dry	2.5	33	2	EPA SW846-8260B	03/07/2011 19:29	03/07/2011 19:29	SS

Sample Information

Client Sample ID: B-6 (0-2) **York Sample ID:** 11C0083-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	991	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	795	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	866	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	623	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	494	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	889	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	743	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	583	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1530	3630	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	795	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	866	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	555	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	1060	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	633	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	669	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	623	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	458	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	659	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1370	3630	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	758	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	196	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	718	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	524	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	818	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	604	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	657	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
83-32-9	Acenaphthene	ND		ug/kg dry	1050	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	509	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
62-53-3	Aniline	ND		ug/kg dry	654	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
120-12-7	**Anthracene**	**3360**		ug/kg dry	451	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
56-55-3	**Benzo(a)anthracene**	**7380**		ug/kg dry	703	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
50-32-8	**Benzo(a)pyrene**	**4680**		ug/kg dry	474	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
205-99-2	**Benzo(b)fluoranthene**	**3560**		ug/kg dry	692	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
191-24-2	**Benzo(g,h,i)perylene**	**1070**	J	ug/kg dry	546	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
207-08-9	**Benzo(k)fluoranthene**	**3560**		ug/kg dry	704	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD

Sample Information

Client Sample ID: B-6 (0-2) **York Sample ID:** 11C0083-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-51-6	Benzyl alcohol	ND		ug/kg dry	588	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	758	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	670	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	617	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	675	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	609	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
218-01-9	**Chrysene**	**5890**		ug/kg dry	733	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
53-70-3	**Dibenzo(a,h)anthracene**	**502**	J	ug/kg dry	459	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	587	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	954	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	524	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	543	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	818	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
206-44-0	**Fluoranthene**	**18200**		ug/kg dry	1050	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
86-73-7	**Fluorene**	**1750**	J	ug/kg dry	509	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	296	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	727	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	1350	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	654	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1280**	J	ug/kg dry	670	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
78-59-1	Isophorone	ND		ug/kg dry	675	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
91-20-3	Naphthalene	ND		ug/kg dry	543	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	818	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	657	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	474	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	1050	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	509	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
85-01-8	**Phenanthrene**	**16100**		ug/kg dry	671	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
108-95-2	Phenol	ND		ug/kg dry	727	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
129-00-0	**Pyrene**	**15300**		ug/kg dry	652	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD
110-86-1	Pyridine	ND		ug/kg dry	710	1820	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:15	TD

Sample Information

Client Sample ID: B-6 (0-2) **York Sample ID:** 11C0083-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7880**		mg/kg dry	1.37	2.18	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-36-0	**Antimony**	**4.82**		mg/kg dry	0.153	0.327	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-38-2	**Arsenic**	**14.8**		mg/kg dry	0.207	0.545	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-39-3	**Barium**	**225**		mg/kg dry	0.262	0.545	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.109	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.142	0.545	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-70-2	**Calcium**	**14900**		mg/kg dry	0.047	2.18	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-47-3	**Chromium**	**36.0**		mg/kg dry	0.087	0.545	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-48-4	**Cobalt**	**20.1**		mg/kg dry	0.087	0.545	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-50-8	**Copper**	**990**		mg/kg dry	0.153	0.545	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7439-89-6	**Iron**	**31100**		mg/kg dry	0.600	1.09	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7439-92-1	**Lead**	**572**		mg/kg dry	0.109	0.327	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7439-95-4	**Magnesium**	**4970**		mg/kg dry	0.894	2.18	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7439-96-5	**Manganese**	**381**		mg/kg dry	0.087	1.09	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-02-0	**Nickel**	**44.0**		mg/kg dry	0.076	0.545	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-09-7	**Potassium**	**1020**		mg/kg dry	2.97	10.9	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7782-49-2	**Selenium**	**5.18**		mg/kg dry	0.230	0.545	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-22-4	Silver	ND		mg/kg dry	0.098	0.545	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-23-5	**Sodium**	**377**	B	mg/kg dry	7.33	10.9	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-28-0	Thallium	ND		mg/kg dry	0.207	0.545	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-62-2	**Vanadium**	**24.3**		mg/kg dry	0.087	0.545	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW
7440-66-6	**Zinc**	**2010**		mg/kg dry	0.076	0.545	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:37	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.106	0.109	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

Sample Information

Client Sample ID: B-6 (0-2) **York Sample ID:** 11C0083-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**91.7**		%	0.100	0.100	1	SM 2540G	03/04/2011 09:40	03/04/2011 09:40	MZ

Sample Information

Client Sample ID: B-6 (6-8) **York Sample ID:** 11C0083-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.92	23	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.55	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS

Sample Information

Client Sample ID: **B-6 (6-8)** **York Sample ID:** **11C0083-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.87	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
67-66-3	Chloroform	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.87	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.87	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
75-09-2	**Methylene chloride**	**31**	B	ug/kg dry	2.6	23	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
91-20-3	**Naphthalene**	**4.6**	J	ug/kg dry	1.2	23	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.80	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
1330-20-7P/M	**p- & m- Xylenes**	**2.1**	J	ug/kg dry	1.4	23	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.62	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
135-98-8	**sec-Butylbenzene**	**2.0**	J	ug/kg dry	1.3	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
108-88-3	Toluene	ND		ug/kg dry	0.57	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS

Sample Information

Client Sample ID: B-6 (6-8) **York Sample ID:** 11C0083-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.6	35	2	EPA SW846-8260B	03/07/2011 20:02	03/07/2011 20:02	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	105	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	83.9	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	91.3	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	65.8	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	52.1	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	93.8	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	78.3	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	61.5	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	161	383	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	83.9	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	91.3	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	58.5	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	112	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	66.8	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	70.5	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	65.8	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	48.3	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	69.5	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	145	383	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	80.0	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	20.7	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	75.7	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	55.3	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	86.3	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	63.7	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	69.4	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
83-32-9	Acenaphthene	ND		ug/kg dry	111	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
208-96-8	**Acenaphthylene**	**54.8**	J	ug/kg dry	53.7	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD

Sample Information

Client Sample ID: B-6 (6-8) **York Sample ID:** 11C0083-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/kg dry	69.0	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
120-12-7	Anthracene	ND		ug/kg dry	47.5	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	74.2	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	50.0	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	73.0	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	57.6	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	74.2	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	62.1	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	80.0	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	70.7	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	65.1	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	71.2	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	64.2	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
218-01-9	Chrysene	ND		ug/kg dry	77.3	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.5	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	61.9	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	101	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	55.3	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	57.3	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	86.3	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
206-44-0	Fluoranthene	ND		ug/kg dry	111	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
86-73-7	**Fluorene**	**75.5**	J	ug/kg dry	53.7	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	31.2	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	76.7	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	143	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	69.0	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	70.7	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
78-59-1	Isophorone	ND		ug/kg dry	71.2	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
91-20-3	Naphthalene	ND		ug/kg dry	57.3	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	86.3	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	69.4	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.0	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	111	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	53.7	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
85-01-8	Phenanthrene	ND		ug/kg dry	70.7	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD

Sample Information

Client Sample ID: **B-6 (6-8)** **York Sample ID:** **11C0083-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/kg dry	76.7	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
129-00-0	**Pyrene**	**300**		ug/kg dry	68.8	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD
110-86-1	Pyridine	ND		ug/kg dry	74.9	192	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 16:48	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6740**		mg/kg dry	1.45	2.30	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-36-0	**Antimony**	**1.83**		mg/kg dry	0.161	0.345	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-38-2	**Arsenic**	**6.75**		mg/kg dry	0.219	0.575	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-39-3	**Barium**	**90.9**		mg/kg dry	0.276	0.575	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.115	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.150	0.575	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-70-2	**Calcium**	**19300**		mg/kg dry	0.050	2.30	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-47-3	**Chromium**	**25.8**		mg/kg dry	0.092	0.575	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-48-4	**Cobalt**	**18.1**		mg/kg dry	0.092	0.575	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-50-8	**Copper**	**80.0**		mg/kg dry	0.161	0.575	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7439-89-6	**Iron**	**78400**		mg/kg dry	0.633	1.15	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7439-92-1	**Lead**	**457**		mg/kg dry	0.115	0.345	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7439-95-4	**Magnesium**	**6480**		mg/kg dry	0.943	2.30	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7439-96-5	**Manganese**	**377**		mg/kg dry	0.092	1.15	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-02-0	**Nickel**	**17.3**		mg/kg dry	0.081	0.575	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-09-7	**Potassium**	**947**		mg/kg dry	3.13	11.5	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7782-49-2	**Selenium**	**4.87**		mg/kg dry	0.243	0.575	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-22-4	Silver	ND		mg/kg dry	0.104	0.575	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-23-5	**Sodium**	**286**	B	mg/kg dry	7.73	11.5	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-28-0	Thallium	ND		mg/kg dry	0.219	0.575	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-62-2	**Vanadium**	**29.5**		mg/kg dry	0.092	0.575	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW
7440-66-6	**Zinc**	**177**		mg/kg dry	0.081	0.575	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:44	MW

Sample Information

Client Sample ID: B-6 (6-8) **York Sample ID:** 11C0083-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.112	0.115	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**86.9**		%	0.100	0.100	1	SM 2540G	03/04/2011 09:40	03/04/2011 09:40	MZ

Sample Information

Client Sample ID: B-7 (0-2) **York Sample ID:** 11C0083-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.96	24	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	24	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
95-63-6	**1,2,4-Trimethylbenzene**	**2.3**	J	ug/kg dry	1.4	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	24	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.57	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.96	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS

Sample Information

Client Sample ID: B-7 (0-2) **York Sample ID:** 11C0083-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.90	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
67-66-3	Chloroform	ND		ug/kg dry	0.93	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.90	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
100-41-4	**Ethyl Benzene**	**2.1**	J	ug/kg dry	0.90	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.0	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.98	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
75-09-2	**Methylene chloride**	**41**	B	ug/kg dry	2.7	24	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.83	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
95-47-6	**o-Xylene**	**2.7**	J	ug/kg dry	1.3	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
1330-20-7P/M	**p- & m- Xylenes**	**8.6**	J	ug/kg dry	1.4	24	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.65	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS

Sample Information

Client Sample ID: B-7 (0-2) **York Sample ID:** 11C0083-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.59	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS
1330-20-7	**Xylenes, Total**	**11**	J	ug/kg dry	2.7	36	2	EPA SW846-8260B	03/07/2011 20:36	03/07/2011 20:36	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2180	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1750	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1900	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1370	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	1090	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	1950	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	1630	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	1280	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	3350	7980	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	1750	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	1900	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	1220	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	2320	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	1390	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	1470	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	1370	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1010	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	1450	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	3020	7980	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	1660	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	430	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	1580	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	1150	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	1800	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD

Sample Information

Client Sample ID: B-7 (0-2) **York Sample ID:** 11C0083-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	1330	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	1440	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
83-32-9	Acenaphthene	ND		ug/kg dry	2310	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	1120	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
62-53-3	Aniline	ND		ug/kg dry	1440	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
120-12-7	**Anthracene**	**1420**	J	ug/kg dry	989	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
56-55-3	**Benzo(a)anthracene**	**8670**		ug/kg dry	1540	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
50-32-8	**Benzo(a)pyrene**	**5930**		ug/kg dry	1040	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
205-99-2	**Benzo(b)fluoranthene**	**5320**		ug/kg dry	1520	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
191-24-2	**Benzo(g,h,i)perylene**	**1520**	J	ug/kg dry	1200	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
207-08-9	**Benzo(k)fluoranthene**	**5890**		ug/kg dry	1540	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	1290	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	1660	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	1470	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	1360	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	1480	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
117-81-7	**Bis(2-ethylhexyl)phthalate**	**13600**		ug/kg dry	1340	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
218-01-9	**Chrysene**	**9270**		ug/kg dry	1610	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	1010	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	1290	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	2090	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	1150	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	1190	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1800	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
206-44-0	**Fluoranthene**	**17700**		ug/kg dry	2310	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
86-73-7	Fluorene	ND		ug/kg dry	1120	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	650	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1600	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	2970	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	1440	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1520**	J	ug/kg dry	1470	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
78-59-1	Isophorone	ND		ug/kg dry	1480	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
91-20-3	Naphthalene	ND		ug/kg dry	1190	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	1800	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	1440	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD

Sample Information

Client Sample ID: B-7 (0-2) **York Sample ID:** 11C0083-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	1040	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	2310	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	1120	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
85-01-8	**Phenanthrene**	**7350**		ug/kg dry	1470	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
108-95-2	Phenol	ND		ug/kg dry	1600	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
129-00-0	**Pyrene**	**14500**		ug/kg dry	1430	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD
110-86-1	Pyridine	ND		ug/kg dry	1560	3990	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:22	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9280**		mg/kg dry	1.51	2.39	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-36-0	**Antimony**	**2.31**		mg/kg dry	0.168	0.359	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-38-2	**Arsenic**	**5.98**		mg/kg dry	0.227	0.598	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-39-3	**Barium**	**570**		mg/kg dry	0.287	0.598	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.010	0.120	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-43-9	**Cadmium**	**0.668**		mg/kg dry	0.156	0.598	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-70-2	**Calcium**	**45100**		mg/kg dry	0.052	2.39	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-47-3	**Chromium**	**30.6**		mg/kg dry	0.096	0.598	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-48-4	**Cobalt**	**6.78**		mg/kg dry	0.096	0.598	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-50-8	**Copper**	**68.9**		mg/kg dry	0.168	0.598	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7439-89-6	**Iron**	**17500**		mg/kg dry	0.658	1.20	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7439-92-1	**Lead**	**458**		mg/kg dry	0.120	0.359	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7439-95-4	**Magnesium**	**7930**		mg/kg dry	0.981	2.39	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7439-96-5	**Manganese**	**280**		mg/kg dry	0.096	1.20	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-02-0	**Nickel**	**16.2**		mg/kg dry	0.084	0.598	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-09-7	**Potassium**	**3090**		mg/kg dry	3.26	12.0	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7782-49-2	**Selenium**	**2.65**		mg/kg dry	0.253	0.598	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-22-4	Silver	ND		mg/kg dry	0.108	0.598	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-23-5	**Sodium**	**674**	B	mg/kg dry	8.04	12.0	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-28-0	Thallium	ND		mg/kg dry	0.227	0.598	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-62-2	**Vanadium**	**28.1**		mg/kg dry	0.096	0.598	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW
7440-66-6	**Zinc**	**454**		mg/kg dry	0.084	0.598	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 20:51	MW

Sample Information

Client Sample ID: B-7 (0-2) **York Sample ID:** 11C0083-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.116	0.120	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**83.5**		%	0.100	0.100	1	SM 2540G	03/04/2011 09:40	03/04/2011 09:40	MZ

Sample Information

Client Sample ID: B-7 (10.5) **York Sample ID:** 11C0083-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.93	23	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.55	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.93	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS

Sample Information

Client Sample ID: B-7 (10.5) **York Sample ID:** 11C0083-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5035B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
67-66-3	Chloroform	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.98	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.96	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
75-09-2	**Methylene chloride**	**20**	J, B	ug/kg dry	2.7	23	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	23	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.81	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	23	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.63	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS

Sample Information

Client Sample ID: B-7 (10.5) **York Sample ID:** 11C0083-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.6	35	2	EPA SW846-8260B	03/07/2011 21:10	03/07/2011 21:10	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	106	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	85.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	92.5	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	66.6	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	52.8	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	95.1	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	79.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	62.3	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	163	389	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	85.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	92.5	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	59.3	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	113	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	67.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	71.5	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	66.6	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	49.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	70.5	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	147	389	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	81.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	20.9	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	76.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	56.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	87.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD

Sample Information

Client Sample ID: B-7 (10.5) **York Sample ID:** 11C0083-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	64.5	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	70.3	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
83-32-9	Acenaphthene	ND		ug/kg dry	113	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	54.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
62-53-3	Aniline	ND		ug/kg dry	69.9	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
120-12-7	Anthracene	ND		ug/kg dry	48.2	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
56-55-3	**Benzo(a)anthracene**	**83.2**	J	ug/kg dry	75.2	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
50-32-8	**Benzo(a)pyrene**	**71.1**	J	ug/kg dry	50.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	73.9	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	58.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	75.2	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	62.9	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	81.1	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	71.6	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	66.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	72.2	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	65.1	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
218-01-9	**Chrysene**	**85.9**	J	ug/kg dry	78.3	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.1	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	62.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	102	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	56.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	58.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	87.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
206-44-0	Fluoranthene	ND		ug/kg dry	113	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
86-73-7	Fluorene	ND		ug/kg dry	54.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	31.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	77.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	145	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	69.9	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	71.6	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
78-59-1	Isophorone	ND		ug/kg dry	72.2	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
91-20-3	Naphthalene	ND		ug/kg dry	58.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	87.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	70.3	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD

Sample Information

Client Sample ID: B-7 (10.5) **York Sample ID:** 11C0083-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	113	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	54.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
85-01-8	Phenanthrene	ND		ug/kg dry	71.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
108-95-2	Phenol	ND		ug/kg dry	77.8	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
129-00-0	Pyrene	ND		ug/kg dry	69.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD
110-86-1	Pyridine	ND		ug/kg dry	75.9	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 17:55	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5300**		mg/kg dry	1.47	2.33	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-36-0	**Antimony**	**11.6**		mg/kg dry	0.163	0.350	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-38-2	**Arsenic**	**2.94**		mg/kg dry	0.221	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-39-3	**Barium**	**68.6**		mg/kg dry	0.280	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.117	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.152	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-70-2	**Calcium**	**11800**		mg/kg dry	0.051	2.33	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-47-3	**Chromium**	**14.1**		mg/kg dry	0.093	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-48-4	**Cobalt**	**7.51**		mg/kg dry	0.093	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-50-8	**Copper**	**255**		mg/kg dry	0.163	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7439-89-6	**Iron**	**12700**		mg/kg dry	0.641	1.17	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7439-92-1	**Lead**	**297**		mg/kg dry	0.117	0.350	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7439-95-4	**Magnesium**	**2790**		mg/kg dry	0.956	2.33	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7439-96-5	**Manganese**	**188**		mg/kg dry	0.093	1.17	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-02-0	**Nickel**	**14.9**		mg/kg dry	0.082	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-09-7	**Potassium**	**1320**		mg/kg dry	3.17	11.7	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7782-49-2	**Selenium**	**2.80**		mg/kg dry	0.246	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-22-4	Silver	ND		mg/kg dry	0.105	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-23-5	**Sodium**	**243**	B	mg/kg dry	7.83	11.7	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-28-0	Thallium	ND		mg/kg dry	0.221	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-62-2	**Vanadium**	**18.1**		mg/kg dry	0.093	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW
7440-66-6	**Zinc**	**91.4**		mg/kg dry	0.082	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:08	MW

Sample Information

Client Sample ID: B-7 (10.5) **York Sample ID:** 11C0083-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.688**		mg/kg dry	0.113	0.117	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**85.8**		%	0.100	0.100	1	SM 2540G	03/04/2011 09:40	03/04/2011 09:40	MZ

Sample Information

Client Sample ID: B-8 (0-2) **York Sample ID:** 11C0083-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.88	22	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.1	22	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.1	22	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.52	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.88	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS

Sample Information

Client Sample ID: B-8 (0-2) **York Sample ID:** 11C0083-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5035B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
71-43-2	Benzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.9	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.83	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
67-66-3	Chloroform	ND		ug/kg dry	0.86	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.83	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.83	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.93	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.90	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
75-09-2	**Methylene chloride**	**11**	J, B	ug/kg dry	2.5	22	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.2	22	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.76	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.3	22	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.59	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
100-42-5	Styrene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS

Sample Information

Client Sample ID: B-8 (0-2) **York Sample ID:** 11C0083-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.55	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.5	33	2	EPA SW846-8260B	03/07/2011 21:44	03/07/2011 21:44	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	100	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	80.3	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	87.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	62.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	89.7	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	74.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	58.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	154	367	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	80.3	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	87.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	56.0	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	107	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	63.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	67.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	62.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	46.2	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	66.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	139	367	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	76.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	19.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	72.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	52.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	82.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD

Sample Information

Client Sample ID: B-8 (0-2) **York Sample ID:** 11C0083-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	60.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	66.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
83-32-9	Acenaphthene	ND		ug/kg dry	106	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	51.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
62-53-3	Aniline	ND		ug/kg dry	66.0	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
120-12-7	Anthracene	ND		ug/kg dry	45.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	71.0	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	69.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	55.1	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	71.0	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	59.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	76.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	67.6	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	62.3	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	68.1	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
117-81-7	**Bis(2-ethylhexyl)phthalate**	**146**	J	ug/kg dry	61.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
218-01-9	Chrysene	ND		ug/kg dry	73.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	59.2	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	96.3	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	52.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	54.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	82.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
206-44-0	Fluoranthene	ND		ug/kg dry	106	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
86-73-7	Fluorene	ND		ug/kg dry	51.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	29.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	73.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	136	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	66.0	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	67.6	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
78-59-1	Isophorone	ND		ug/kg dry	68.1	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
91-20-3	Naphthalene	ND		ug/kg dry	54.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	82.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	66.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD

Sample Information

Client Sample ID: B-8 (0-2) **York Sample ID:** 11C0083-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	106	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	51.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
85-01-8	Phenanthrene	ND		ug/kg dry	67.7	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
108-95-2	Phenol	ND		ug/kg dry	73.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
129-00-0	Pyrene	ND		ug/kg dry	65.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD
110-86-1	Pyridine	ND		ug/kg dry	71.6	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 18:27	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**15700**		mg/kg dry	1.39	2.20	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-36-0	**Antimony**	**1.68**		mg/kg dry	0.154	0.330	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-38-2	**Arsenic**	**3.44**		mg/kg dry	0.209	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-39-3	**Barium**	**151**		mg/kg dry	0.264	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.110	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.143	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-70-2	**Calcium**	**21400**		mg/kg dry	0.048	2.20	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-47-3	**Chromium**	**24.1**		mg/kg dry	0.088	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-48-4	**Cobalt**	**16.0**		mg/kg dry	0.088	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-50-8	**Copper**	**45.3**		mg/kg dry	0.154	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7439-89-6	**Iron**	**24300**		mg/kg dry	0.605	1.10	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7439-92-1	**Lead**	**12.4**		mg/kg dry	0.110	0.330	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7439-95-4	**Magnesium**	**12900**		mg/kg dry	0.902	2.20	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7439-96-5	**Manganese**	**870**		mg/kg dry	0.088	1.10	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-02-0	**Nickel**	**24.6**		mg/kg dry	0.077	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-09-7	**Potassium**	**4290**		mg/kg dry	2.99	11.0	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7782-49-2	**Selenium**	**3.67**		mg/kg dry	0.232	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-22-4	Silver	ND		mg/kg dry	0.099	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-23-5	**Sodium**	**280**	B	mg/kg dry	7.40	11.0	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-28-0	Thallium	ND		mg/kg dry	0.209	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-62-2	**Vanadium**	**39.5**		mg/kg dry	0.088	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW
7440-66-6	**Zinc**	**46.9**		mg/kg dry	0.077	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:12	MW

Sample Information

Client Sample ID: B-8 (0-2) **York Sample ID:** 11C0083-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.107	0.110	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**90.9**		%	0.100	0.100	1	SM 2540G	03/04/2011 09:40	03/04/2011 09:40	MZ

Sample Information

Client Sample ID: B-8 (20-21) **York Sample ID:** 11C0083-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.93	23	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.55	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.93	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS

Sample Information

Client Sample ID: B-8 (20-21) **York Sample ID:** 11C0083-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
67-66-3	Chloroform	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.98	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.96	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
75-09-2	**Methylene chloride**	**14**	J, B	ug/kg dry	2.7	23	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	23	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.81	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	23	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.63	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS

Sample Information

Client Sample ID: B-8 (20-21) **York Sample ID:** 11C0083-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.6	35	2	EPA SW846-8260B	03/08/2011 06:14	03/08/2011 06:14	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	106	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	85.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	92.5	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	66.6	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	52.8	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	95.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	79.3	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	62.3	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	163	388	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	85.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	92.5	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	59.3	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	113	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	67.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	71.5	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	66.6	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	48.9	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	70.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	147	388	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	81.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	20.9	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	76.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	56.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	87.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD

Sample Information

Client Sample ID: B-8 (20-21) **York Sample ID:** 11C0083-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	64.5	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	70.3	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
83-32-9	Acenaphthene	ND		ug/kg dry	113	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	54.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
62-53-3	Aniline	ND		ug/kg dry	69.9	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
120-12-7	Anthracene	ND		ug/kg dry	48.2	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	75.1	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	50.6	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	73.9	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	58.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	75.2	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	62.9	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	81.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	71.6	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	66.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	72.1	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	65.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
218-01-9	Chrysene	ND		ug/kg dry	78.3	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.1	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	62.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	102	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	56.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	58.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	87.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
206-44-0	Fluoranthene	ND		ug/kg dry	113	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
86-73-7	Fluorene	ND		ug/kg dry	54.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	31.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	77.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	144	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	69.9	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	71.6	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
78-59-1	Isophorone	ND		ug/kg dry	72.1	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
91-20-3	Naphthalene	ND		ug/kg dry	58.0	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	87.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	70.3	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD

Sample Information

Client Sample ID: **B-8 (20-21)** **York Sample ID:** **11C0083-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	113	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	54.4	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
85-01-8	Phenanthrene	ND		ug/kg dry	71.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
108-95-2	Phenol	ND		ug/kg dry	77.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
129-00-0	Pyrene	ND		ug/kg dry	69.7	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD
110-86-1	Pyridine	ND		ug/kg dry	75.9	194	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:01	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8350**		mg/kg dry	1.47	2.33	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-36-0	**Antimony**	**0.443**		mg/kg dry	0.163	0.350	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-38-2	**Arsenic**	**1.58**		mg/kg dry	0.221	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-39-3	**Barium**	**84.1**		mg/kg dry	0.280	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.117	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.151	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-70-2	**Calcium**	**1960**		mg/kg dry	0.051	2.33	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-47-3	**Chromium**	**20.8**		mg/kg dry	0.093	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-48-4	**Cobalt**	**11.9**		mg/kg dry	0.093	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-50-8	**Copper**	**26.4**		mg/kg dry	0.163	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7439-89-6	**Iron**	**17900**		mg/kg dry	0.641	1.17	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7439-92-1	**Lead**	**2.89**		mg/kg dry	0.117	0.350	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7439-95-4	**Magnesium**	**3990**		mg/kg dry	0.955	2.33	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7439-96-5	**Manganese**	**217**		mg/kg dry	0.093	1.17	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-02-0	**Nickel**	**18.3**		mg/kg dry	0.082	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-09-7	**Potassium**	**3680**		mg/kg dry	3.17	11.7	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7782-49-2	**Selenium**	**2.80**		mg/kg dry	0.246	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-22-4	Silver	ND		mg/kg dry	0.105	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-23-5	**Sodium**	**262**	B	mg/kg dry	7.83	11.7	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-28-0	Thallium	ND		mg/kg dry	0.221	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-62-2	**Vanadium**	**34.5**		mg/kg dry	0.093	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW
7440-66-6	**Zinc**	**41.4**		mg/kg dry	0.082	0.583	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:17	MW

Sample Information

Client Sample ID: B-8 (20-21) **York Sample ID:** 11C0083-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.113	0.117	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**85.8**		%	0.100	0.100	1	SM 2540G	03/04/2011 09:40	03/04/2011 09:40	MZ

Sample Information

Client Sample ID: B-9 (0-2) **York Sample ID:** 11C0083-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.95	24	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	24	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	24	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.57	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.95	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS

Sample Information

Client Sample ID: B-9 (0-2) **York Sample ID:** 11C0083-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.90	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
67-66-3	Chloroform	ND		ug/kg dry	0.93	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.90	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.90	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.0	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.98	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
75-09-2	**Methylene chloride**	**33**	B	ug/kg dry	2.7	24	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.82	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
1330-20-7P/M	**p- & m- Xylenes**	**5.0**	J	ug/kg dry	1.4	24	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.64	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS

Sample Information

Client Sample ID: **B-9 (0-2)** **York Sample ID:** **11C0083-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.59	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS
1330-20-7	**Xylenes, Total**	**5.0**	J	ug/kg dry	2.7	36	2	EPA SW846-8260B	03/08/2011 06:48	03/08/2011 06:48	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1080	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	868	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	945	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	680	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	540	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	971	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	810	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	636	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1670	3970	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	868	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	945	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	606	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	1160	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	691	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	730	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	680	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	500	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	719	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1500	3970	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	827	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	214	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	783	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	572	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	893	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD

Sample Information

Client Sample ID: B-9 (0-2) **York Sample ID:** 11C0083-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	659	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	718	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
83-32-9	Acenaphthene	ND		ug/kg dry	1150	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	556	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
62-53-3	Aniline	ND		ug/kg dry	714	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
120-12-7	**Anthracene**	**623**	J	ug/kg dry	492	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
56-55-3	**Benzo(a)anthracene**	**4050**		ug/kg dry	767	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
50-32-8	**Benzo(a)pyrene**	**2890**		ug/kg dry	517	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
205-99-2	**Benzo(b)fluoranthene**	**2220**		ug/kg dry	755	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	596	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
207-08-9	**Benzo(k)fluoranthene**	**2990**		ug/kg dry	768	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	642	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	828	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	731	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	674	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	737	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	664	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
218-01-9	**Chrysene**	**3990**		ug/kg dry	800	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	501	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	640	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	1040	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	572	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	593	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	893	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
206-44-0	**Fluoranthene**	**8290**		ug/kg dry	1150	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
86-73-7	Fluorene	ND		ug/kg dry	556	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	323	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	794	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	1480	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	714	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	731	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
78-59-1	Isophorone	ND		ug/kg dry	737	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
91-20-3	Naphthalene	ND		ug/kg dry	593	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	893	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	718	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD

Sample Information

Client Sample ID: **B-9 (0-2)** **York Sample ID:** **11C0083-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	518	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	1150	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	556	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
85-01-8	**Phenanthrene**	**3090**		ug/kg dry	732	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
108-95-2	Phenol	ND		ug/kg dry	794	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
129-00-0	**Pyrene**	**7220**		ug/kg dry	712	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD
110-86-1	Pyridine	ND		ug/kg dry	775	1980	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 19:33	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8690**		mg/kg dry	1.50	2.38	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-36-0	**Antimony**	**4.24**		mg/kg dry	0.167	0.357	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-38-2	**Arsenic**	**6.26**		mg/kg dry	0.226	0.595	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-39-3	**Barium**	**613**		mg/kg dry	0.286	0.595	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.010	0.119	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.155	0.595	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-70-2	**Calcium**	**41700**		mg/kg dry	0.052	2.38	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-47-3	**Chromium**	**26.5**		mg/kg dry	0.095	0.595	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-48-4	**Cobalt**	**6.87**		mg/kg dry	0.095	0.595	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-50-8	**Copper**	**69.4**		mg/kg dry	0.167	0.595	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7439-89-6	**Iron**	**16400**		mg/kg dry	0.655	1.19	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7439-92-1	**Lead**	**342**		mg/kg dry	0.119	0.357	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7439-95-4	**Magnesium**	**9540**		mg/kg dry	0.976	2.38	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7439-96-5	**Manganese**	**281**		mg/kg dry	0.095	1.19	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-02-0	**Nickel**	**16.1**		mg/kg dry	0.083	0.595	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-09-7	**Potassium**	**1520**		mg/kg dry	3.24	11.9	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7782-49-2	**Selenium**	**2.45**		mg/kg dry	0.251	0.595	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-22-4	Silver	ND		mg/kg dry	0.107	0.595	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-23-5	**Sodium**	**587**	B	mg/kg dry	8.00	11.9	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-28-0	Thallium	ND		mg/kg dry	0.226	0.595	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-62-2	**Vanadium**	**26.8**		mg/kg dry	0.095	0.595	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW
7440-66-6	**Zinc**	**445**		mg/kg dry	0.083	0.595	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:21	MW

Sample Information

Client Sample ID: B-9 (0-2) **York Sample ID:** 11C0083-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.115	0.119	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**84.0**		%	0.100	0.100	1	SM 2540G	03/04/2011 09:40	03/04/2011 09:40	MZ

Sample Information

Client Sample ID: B-9 (15.5) **York Sample ID:** 11C0083-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.5	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.6	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.7	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.7	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.9	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.7	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.2	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.0	26	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.2	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	26	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
95-63-6	**1,2,4-Trimethylbenzene**	**25**		ug/kg dry	1.5	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.6	26	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.9	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.6	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.8	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.61	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
108-67-8	**1,3,5-Trimethylbenzene**	**7.6**	J	ug/kg dry	1.0	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.3	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.9	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS

Sample Information

Client Sample ID: **B-9 (15.5)** **York Sample ID:** **11C0083-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.9	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.7	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.4	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.4	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
71-43-2	Benzene	ND		ug/kg dry	1.3	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.7	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.5	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
75-25-2	Bromoform	ND		ug/kg dry	1.6	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.4	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.9	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.97	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.1	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
67-66-3	Chloroform	ND		ug/kg dry	0.99	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.5	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.97	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.9	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.7	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
100-41-4	**Ethyl Benzene**	**6.6**	J	ug/kg dry	0.97	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.2	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.1	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.1	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
75-09-2	**Methylene chloride**	**25**	J, B	ug/kg dry	2.9	26	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.4	26	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.88	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
103-65-1	**n-Propylbenzene**	**3.5**	J	ug/kg dry	1.6	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
95-47-6	**o-Xylene**	**8.1**	J	ug/kg dry	1.4	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
1330-20-7P/M	**p- & m- Xylenes**	**25**	J	ug/kg dry	1.5	26	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.69	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.4	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
100-42-5	Styrene	ND		ug/kg dry	1.2	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.3	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.4	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS

Sample Information

Client Sample ID: B-9 (15.5) **York Sample ID:** 11C0083-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.64	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.8	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.9	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.6	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	13	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS
1330-20-7	**Xylenes, Total**	**33**	J	ug/kg dry	2.9	38	2	EPA SW846-8260B	03/08/2011 07:22	03/08/2011 07:22	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2330	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1870	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2030	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1460	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	1160	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	2090	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	1740	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	1370	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	3580	8530	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	1870	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	2030	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	1300	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	2480	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	1490	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	1570	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	1460	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1070	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	1550	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	3220	8530	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	1780	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	460	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	1680	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	1230	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	1920	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD

Sample Information

Client Sample ID: B-9 (15.5) **York Sample ID:** 11C0083-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	1420	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	1540	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
83-32-9	Acenaphthene	ND		ug/kg dry	2470	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	1190	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
62-53-3	Aniline	ND		ug/kg dry	1530	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
120-12-7	**Anthracene**	**3130**	J	ug/kg dry	1060	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
56-55-3	**Benzo(a)anthracene**	**22500**		ug/kg dry	1650	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
50-32-8	**Benzo(a)pyrene**	**12400**		ug/kg dry	1110	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
205-99-2	**Benzo(b)fluoranthene**	**13200**		ug/kg dry	1620	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	1280	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
207-08-9	**Benzo(k)fluoranthene**	**13000**		ug/kg dry	1650	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	1380	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	1780	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	1570	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	1450	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	1580	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	1430	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
218-01-9	**Chrysene**	**21800**		ug/kg dry	1720	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	1080	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	1380	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	2240	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
131-11-3	**Dimethyl phthalate**	**4570**		ug/kg dry	1230	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	1270	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1920	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
206-44-0	**Fluoranthene**	**42600**		ug/kg dry	2470	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
86-73-7	Fluorene	ND		ug/kg dry	1190	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	695	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1710	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	3170	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	1530	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	1570	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
78-59-1	Isophorone	ND		ug/kg dry	1580	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
91-20-3	Naphthalene	ND		ug/kg dry	1270	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	1920	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	1540	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD

Sample Information

Client Sample ID: **B-9 (15.5)** **York Sample ID:** **11C0083-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	1110	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	2470	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	1190	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
85-01-8	**Phenanthrene**	**20900**		ug/kg dry	1570	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
108-95-2	Phenol	ND		ug/kg dry	1710	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
129-00-0	**Pyrene**	**36700**		ug/kg dry	1530	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD
110-86-1	Pyridine	ND		ug/kg dry	1670	4260	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:07	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5300**		mg/kg dry	1.61	2.56	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-36-0	**Antimony**	**4.65**		mg/kg dry	0.179	0.384	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-38-2	**Arsenic**	**5.45**		mg/kg dry	0.243	0.640	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-39-3	**Barium**	**1270**		mg/kg dry	0.307	0.640	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.010	0.128	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-43-9	**Cadmium**	**2.09**		mg/kg dry	0.166	0.640	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-70-2	**Calcium**	**55200**		mg/kg dry	0.056	2.56	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-47-3	**Chromium**	**46.8**		mg/kg dry	0.102	0.640	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-48-4	**Cobalt**	**4.69**		mg/kg dry	0.102	0.640	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-50-8	**Copper**	**73.0**		mg/kg dry	0.179	0.640	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7439-89-6	**Iron**	**11900**		mg/kg dry	0.704	1.28	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7439-92-1	**Lead**	**701**		mg/kg dry	0.128	0.384	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7439-95-4	**Magnesium**	**6740**		mg/kg dry	1.05	2.56	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7439-96-5	**Manganese**	**199**		mg/kg dry	0.102	1.28	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-02-0	**Nickel**	**39.5**		mg/kg dry	0.090	0.640	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-09-7	**Potassium**	**1320**		mg/kg dry	3.48	12.8	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7782-49-2	**Selenium**	**1.88**		mg/kg dry	0.270	0.640	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-22-4	Silver	ND		mg/kg dry	0.115	0.640	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-23-5	**Sodium**	**473**	B	mg/kg dry	8.60	12.8	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-28-0	Thallium	ND		mg/kg dry	0.243	0.640	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-62-2	**Vanadium**	**23.7**		mg/kg dry	0.102	0.640	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW
7440-66-6	**Zinc**	**1720**		mg/kg dry	0.090	0.640	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:26	MW

Sample Information

Client Sample ID: B-9 (15.5) **York Sample ID:** 11C0083-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.486**		mg/kg dry	0.124	0.128	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**78.2**		%	0.100	0.100	1	SM 2540G	03/04/2011 15:41	03/04/2011 15:41	MZ

Sample Information

Client Sample ID: B-11 (0-2) **York Sample ID:** 11C0083-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.2	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.3	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.3	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.4	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.5	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.0	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	0.96	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.82	21	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.1	21	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.2	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	21	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.5	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.3	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.4	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.49	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.82	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.0	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.5	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS

Sample Information

Client Sample ID: **B-11 (0-2)** **York Sample ID:** **11C0083-16**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.5	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.1	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.1	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.1	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
71-43-2	Benzene	ND		ug/kg dry	1.1	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.4	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.9	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.4	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
75-25-2	Bromoform	ND		ug/kg dry	1.3	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.8	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.78	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.7	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
67-66-3	Chloroform	ND		ug/kg dry	0.80	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.0	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.78	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.5	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.0	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.8	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.78	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	0.96	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.87	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.85	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
75-09-2	**Methylene chloride**	**15**	J, B	ug/kg dry	2.4	21	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.1	21	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.71	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.3	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.1	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.2	21	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.56	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.2	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
100-42-5	Styrene	ND		ug/kg dry	0.96	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.0	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.2	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS

Sample Information

Client Sample ID: B-11 (0-2) **York Sample ID:** 11C0083-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.51	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.4	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.5	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.3	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.0	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	10	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.3	31	2	EPA SW846-8260B	03/08/2011 07:56	03/08/2011 07:56	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	937	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	752	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	819	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	589	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	467	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	841	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	702	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	551	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1440	3440	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	752	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	819	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	525	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	1000	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	599	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	632	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	589	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	433	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	623	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1300	3440	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	717	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	185	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	679	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	495	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	773	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD

Sample Information

Client Sample ID: **B-11 (0-2)** **York Sample ID:** **11C0083-16**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	571	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	622	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
83-32-9	Acenaphthene	ND		ug/kg dry	996	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	482	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
62-53-3	Aniline	ND		ug/kg dry	618	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
120-12-7	**Anthracene**	**433**	J	ug/kg dry	426	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
56-55-3	**Benzo(a)anthracene**	**5120**		ug/kg dry	665	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
50-32-8	**Benzo(a)pyrene**	**4840**		ug/kg dry	448	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
205-99-2	**Benzo(b)fluoranthene**	**3840**		ug/kg dry	654	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
191-24-2	**Benzo(g,h,i)perylene**	**529**	J	ug/kg dry	517	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
207-08-9	**Benzo(k)fluoranthene**	**4240**		ug/kg dry	665	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	556	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	717	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	634	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	584	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	638	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	575	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
218-01-9	**Chrysene**	**5120**		ug/kg dry	693	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	434	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	555	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	902	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	495	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	513	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	773	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
206-44-0	**Fluoranthene**	**8050**		ug/kg dry	996	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
86-73-7	Fluorene	ND		ug/kg dry	482	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	280	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	688	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	1280	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	618	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	634	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
78-59-1	Isophorone	ND		ug/kg dry	638	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
91-20-3	Naphthalene	ND		ug/kg dry	513	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	773	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	622	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD

Sample Information

Client Sample ID: **B-11 (0-2)** **York Sample ID:** **11C0083-16**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	449	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	996	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	482	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
85-01-8	**Phenanthrene**	**2020**		ug/kg dry	634	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
108-95-2	Phenol	ND		ug/kg dry	688	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
129-00-0	**Pyrene**	**7140**		ug/kg dry	617	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD
110-86-1	Pyridine	ND		ug/kg dry	671	1720	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 20:40	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6880**		mg/kg dry	1.30	2.06	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-36-0	**Antimony**	**2.37**		mg/kg dry	0.144	0.309	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-38-2	**Arsenic**	**3.45**		mg/kg dry	0.196	0.516	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-39-3	**Barium**	**147**		mg/kg dry	0.247	0.516	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.008	0.103	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.134	0.516	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-70-2	**Calcium**	**21200**		mg/kg dry	0.045	2.06	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-47-3	**Chromium**	**20.9**		mg/kg dry	0.082	0.516	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-48-4	**Cobalt**	**8.31**		mg/kg dry	0.082	0.516	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-50-8	**Copper**	**55.6**		mg/kg dry	0.144	0.516	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7439-89-6	**Iron**	**14500**		mg/kg dry	0.567	1.03	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7439-92-1	**Lead**	**183**		mg/kg dry	0.103	0.309	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7439-95-4	**Magnesium**	**5050**		mg/kg dry	0.845	2.06	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7439-96-5	**Manganese**	**277**		mg/kg dry	0.082	1.03	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-02-0	**Nickel**	**16.6**		mg/kg dry	0.072	0.516	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-09-7	**Potassium**	**2350**		mg/kg dry	2.80	10.3	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7782-49-2	**Selenium**	**2.83**		mg/kg dry	0.218	0.516	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-22-4	Silver	ND		mg/kg dry	0.093	0.516	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-23-5	**Sodium**	**290**	B	mg/kg dry	6.93	10.3	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-28-0	Thallium	ND		mg/kg dry	0.196	0.516	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-62-2	**Vanadium**	**21.1**		mg/kg dry	0.082	0.516	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW
7440-66-6	**Zinc**	**267**		mg/kg dry	0.072	0.516	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:30	MW

Sample Information

Client Sample ID: B-11 (0-2) **York Sample ID:** 11C0083-16

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.100	0.103	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**97.0**		%	0.100	0.100	1	SM 2540G	03/04/2011 15:41	03/04/2011 15:41	MZ

Sample Information

Client Sample ID: B-11 (7.5) **York Sample ID:** 11C0083-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	6.4	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	11	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	6.8	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	7.1	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	7.2	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	8.2	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	16	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	5.1	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	4.4	110	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	14	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5.7	110	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	6.3	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	16	110	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	8.1	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	7.0	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	7.7	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	4.4	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	5.6	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	8.2	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS

Sample Information

Client Sample ID: **B-11 (7.5)** **York Sample ID:** **11C0083-17**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	8.1	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	11	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	5.8	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	5.8	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
71-43-2	Benzene	ND		ug/kg dry	5.7	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
108-86-1	Bromobenzene	ND		ug/kg dry	7.2	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	15	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	7.4	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
75-25-2	Bromoform	ND		ug/kg dry	6.9	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
74-83-9	Bromomethane	ND		ug/kg dry	15	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	12	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	4.2	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
75-00-3	Chloroethane	ND		ug/kg dry	9.0	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
67-66-3	Chloroform	ND		ug/kg dry	4.3	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
74-87-3	Chloromethane	ND		ug/kg dry	11	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	11	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4.2	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	8.0	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
74-95-3	Dibromomethane	ND		ug/kg dry	16	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	9.9	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	4.2	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	5.1	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	4.6	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4.5	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
75-09-2	**Methylene chloride**	**6.2**	B-Dil, J, B	ug/kg dry	1.3	11	1	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
91-20-3	Naphthalene	ND		ug/kg dry	5.9	110	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.8	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	6.9	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
95-47-6	o-Xylene	ND		ug/kg dry	5.9	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	6.5	110	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.0	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	6.2	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
100-42-5	Styrene	ND		ug/kg dry	5.1	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	5.5	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS

Sample Information

Client Sample ID: B-11 (7.5) **York Sample ID:** 11C0083-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/kg dry	6.2	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	7.7	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	8.1	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	6.8	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	11	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	12	55	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	12	170	10	EPA SW846-8260B	03/08/2011 08:30	03/08/2011 08:30	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	100	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	80.3	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	87.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	62.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	89.7	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	74.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	58.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	154	367	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	80.3	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	87.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	56.0	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	107	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	63.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	67.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	62.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	46.2	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	66.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	139	367	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	76.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	19.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	72.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	52.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD

Sample Information

Client Sample ID: B-11 (7.5) **York Sample ID:** 11C0083-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Methylphenol	ND		ug/kg dry	82.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	60.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	66.3	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
83-32-9	Acenaphthene	ND		ug/kg dry	106	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	51.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
62-53-3	Aniline	ND		ug/kg dry	66.0	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
120-12-7	Anthracene	ND		ug/kg dry	45.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	71.0	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	69.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	55.1	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	71.0	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	59.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	76.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	67.6	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	62.3	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	68.1	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
117-81-7	**Bis(2-ethylhexyl)phthalate**	**65.3**	J	ug/kg dry	61.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
218-01-9	Chrysene	ND		ug/kg dry	73.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	59.2	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	96.3	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	52.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	54.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	82.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
206-44-0	Fluoranthene	ND		ug/kg dry	106	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
86-73-7	Fluorene	ND		ug/kg dry	51.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	29.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	73.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	136	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	66.0	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	67.6	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
78-59-1	Isophorone	ND		ug/kg dry	68.1	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
91-20-3	Naphthalene	ND		ug/kg dry	54.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	82.5	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD

Sample Information

Client Sample ID: B-11 (7.5) **York Sample ID:** 11C0083-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	66.3	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.9	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	106	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	51.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
85-01-8	Phenanthrene	ND		ug/kg dry	67.7	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
108-95-2	Phenol	ND		ug/kg dry	73.4	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
129-00-0	Pyrene	ND		ug/kg dry	65.8	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD
110-86-1	Pyridine	ND		ug/kg dry	71.6	183	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:12	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**14900**		mg/kg dry	1.39	2.20	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-36-0	**Antimony**	**0.598**		mg/kg dry	0.154	0.330	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-38-2	**Arsenic**	**3.41**		mg/kg dry	0.209	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-39-3	**Barium**	**81.7**		mg/kg dry	0.264	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.110	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.143	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-70-2	**Calcium**	**3270**		mg/kg dry	0.048	2.20	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-47-3	**Chromium**	**31.8**		mg/kg dry	0.088	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-48-4	**Cobalt**	**12.1**		mg/kg dry	0.088	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-50-8	**Copper**	**34.2**		mg/kg dry	0.154	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7439-89-6	**Iron**	**21200**		mg/kg dry	0.605	1.10	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7439-92-1	**Lead**	**8.42**		mg/kg dry	0.110	0.330	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7439-95-4	**Magnesium**	**4390**		mg/kg dry	0.902	2.20	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7439-96-5	**Manganese**	**447**		mg/kg dry	0.088	1.10	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-02-0	**Nickel**	**21.0**		mg/kg dry	0.077	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-09-7	**Potassium**	**1870**		mg/kg dry	2.99	11.0	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7782-49-2	**Selenium**	**3.52**		mg/kg dry	0.232	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-22-4	Silver	ND		mg/kg dry	0.099	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-23-5	**Sodium**	**593**	B	mg/kg dry	7.39	11.0	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-28-0	Thallium	ND		mg/kg dry	0.209	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-62-2	**Vanadium**	**37.8**		mg/kg dry	0.088	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW
7440-66-6	**Zinc**	**50.6**		mg/kg dry	0.077	0.550	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:34	MW

Sample Information

Client Sample ID: B-11 (7.5) **York Sample ID:** 11C0083-17

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.107	0.110	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**90.9**		%	0.100	0.100	1	SM 2540G	03/04/2011 15:41	03/04/2011 15:41	MZ

Sample Information

Client Sample ID: B-12 (0-2) **York Sample ID:** 11C0083-18

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.90	22	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	22	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	22	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.53	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.90	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS

Sample Information

Client Sample ID: **B-12 (0-2)** **York Sample ID:** **11C0083-18**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
67-66-3	Chloroform	ND		ug/kg dry	0.87	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.94	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.92	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
75-09-2	**Methylene chloride**	**21**	J, B	ug/kg dry	2.6	22	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.2	22	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.77	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.3	22	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.60	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
100-42-5	Styrene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS

Sample Information

Client Sample ID: B-12 (0-2) **York Sample ID:** 11C0083-18

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.56	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.5	34	2	EPA SW846-8260B	03/08/2011 09:04	03/08/2011 09:04	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1020	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	817	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	889	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	640	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	508	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	913	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	763	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	599	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1570	3730	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	817	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	889	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	570	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	1090	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	650	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	687	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	640	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	470	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	677	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1410	3730	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	779	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	201	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	737	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	538	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	840	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD

Sample Information

Client Sample ID: **B-12 (0-2)** **York Sample ID:** **11C0083-18**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	620	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	675	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
83-32-9	Acenaphthene	ND		ug/kg dry	1080	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	523	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
62-53-3	Aniline	ND		ug/kg dry	671	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
120-12-7	**Anthracene**	**538**	J	ug/kg dry	463	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
56-55-3	**Benzo(a)anthracene**	**3540**		ug/kg dry	722	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
50-32-8	**Benzo(a)pyrene**	**1970**		ug/kg dry	487	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
205-99-2	**Benzo(b)fluoranthene**	**1800**	J	ug/kg dry	710	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	561	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
207-08-9	**Benzo(k)fluoranthene**	**2210**		ug/kg dry	723	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	604	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	779	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	688	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	634	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	693	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	625	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
218-01-9	**Chrysene**	**3280**		ug/kg dry	752	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	472	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	602	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	980	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	538	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	558	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	840	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
206-44-0	**Fluoranthene**	**7500**		ug/kg dry	1080	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
86-73-7	Fluorene	ND		ug/kg dry	523	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	304	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	747	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	1390	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	671	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	688	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
78-59-1	Isophorone	ND		ug/kg dry	693	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
91-20-3	Naphthalene	ND		ug/kg dry	558	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	840	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	675	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD

Sample Information

Client Sample ID: B-12 (0-2) **York Sample ID:** 11C0083-18

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	487	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	1080	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	523	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
85-01-8	**Phenanthrene**	**2330**		ug/kg dry	689	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
108-95-2	Phenol	ND		ug/kg dry	747	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
129-00-0	**Pyrene**	**6430**		ug/kg dry	670	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD
110-86-1	Pyridine	ND		ug/kg dry	729	1870	10	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 21:46	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6250**		mg/kg dry	1.41	2.24	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-36-0	**Antimony**	**7.75**		mg/kg dry	0.157	0.336	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-38-2	**Arsenic**	**4.92**		mg/kg dry	0.213	0.560	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-39-3	**Barium**	**181**		mg/kg dry	0.269	0.560	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.112	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.146	0.560	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-70-2	**Calcium**	**25600**		mg/kg dry	0.049	2.24	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-47-3	**Chromium**	**23.2**		mg/kg dry	0.090	0.560	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-48-4	**Cobalt**	**6.85**		mg/kg dry	0.090	0.560	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-50-8	**Copper**	**156**		mg/kg dry	0.157	0.560	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7439-89-6	**Iron**	**21000**		mg/kg dry	0.616	1.12	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7439-92-1	**Lead**	**408**		mg/kg dry	0.112	0.336	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7439-95-4	**Magnesium**	**5310**		mg/kg dry	0.918	2.24	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7439-96-5	**Manganese**	**301**		mg/kg dry	0.090	1.12	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-02-0	**Nickel**	**15.1**		mg/kg dry	0.078	0.560	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-09-7	**Potassium**	**1880**		mg/kg dry	3.05	11.2	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7782-49-2	**Selenium**	**3.96**		mg/kg dry	0.236	0.560	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-22-4	Silver	ND		mg/kg dry	0.101	0.560	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-23-5	**Sodium**	**377**	B	mg/kg dry	7.53	11.2	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-28-0	Thallium	ND		mg/kg dry	0.213	0.560	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-62-2	**Vanadium**	**19.4**		mg/kg dry	0.090	0.560	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW
7440-66-6	**Zinc**	**306**		mg/kg dry	0.078	0.560	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:39	MW

Sample Information

Client Sample ID: B-12 (0-2) **York Sample ID:** 11C0083-18

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.109	0.112	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**89.3**		%	0.100	0.100	1	SM 2540G	03/04/2011 15:41	03/04/2011 15:41	MZ

Sample Information

Client Sample ID: B-12 (9-10) **York Sample ID:** 11C0083-19

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.92	23	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.55	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.92	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS

Sample Information

Client Sample ID: **B-12 (9-10)** **York Sample ID:** **11C0083-19**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.87	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
67-66-3	Chloroform	ND		ug/kg dry	0.89	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.87	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.87	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.97	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.94	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
75-09-2	**Methylene chloride**	**13**	J, B	ug/kg dry	2.6	23	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.79	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
1330-20-7P/M	**p- & m- Xylenes**	**2.6**	J	ug/kg dry	1.4	23	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.62	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS

Sample Information

Client Sample ID: **B-12 (9-10)** **York Sample ID:** **11C0083-19**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.57	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS
1330-20-7	**Xylenes, Total**	**2.6**	J	ug/kg dry	2.6	34	2	EPA SW846-8260B	03/08/2011 08:18	03/08/2011 08:18	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	104	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	83.8	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	91.2	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	65.7	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	52.1	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	93.6	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	78.2	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	61.4	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	161	383	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	83.8	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	91.2	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	58.4	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	111	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	66.7	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	70.4	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	65.7	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	48.2	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	69.4	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	145	383	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	79.8	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	20.6	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	75.6	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	55.2	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	86.1	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD

Sample Information

Client Sample ID: B-12 (9-10) **York Sample ID:** 11C0083-19

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	63.6	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	69.2	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
83-32-9	Acenaphthene	ND		ug/kg dry	111	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	53.6	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
62-53-3	Aniline	ND		ug/kg dry	68.9	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
120-12-7	Anthracene	ND		ug/kg dry	47.5	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	74.0	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.9	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	72.8	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	57.5	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	74.1	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	62.0	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	79.8	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	70.6	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	65.0	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	71.1	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	64.1	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
218-01-9	Chrysene	ND		ug/kg dry	77.1	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.4	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	61.8	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	100	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	55.2	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	57.2	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	86.1	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
206-44-0	Fluoranthene	ND		ug/kg dry	111	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
86-73-7	Fluorene	ND		ug/kg dry	53.6	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	31.2	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	76.6	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	142	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	68.9	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	70.6	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
78-59-1	Isophorone	ND		ug/kg dry	71.1	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
91-20-3	Naphthalene	ND		ug/kg dry	57.2	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	86.1	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	69.2	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD

Sample Information

Client Sample ID: **B-12 (9-10)** **York Sample ID:** **11C0083-19**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.0	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	111	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	53.6	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
85-01-8	Phenanthrene	ND		ug/kg dry	70.6	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
108-95-2	Phenol	ND		ug/kg dry	76.6	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
129-00-0	Pyrene	ND		ug/kg dry	68.7	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD
110-86-1	Pyridine	ND		ug/kg dry	74.8	191	1	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:25	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**11200**		mg/kg dry	1.45	2.30	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-36-0	**Antimony**	**1.21**		mg/kg dry	0.161	0.345	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-38-2	**Arsenic**	**3.65**		mg/kg dry	0.218	0.574	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-39-3	**Barium**	**93.7**		mg/kg dry	0.276	0.574	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.115	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.149	0.574	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-70-2	**Calcium**	**4920**		mg/kg dry	0.050	2.30	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-47-3	**Chromium**	**25.6**		mg/kg dry	0.092	0.574	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-48-4	**Cobalt**	**9.83**		mg/kg dry	0.092	0.574	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-50-8	**Copper**	**58.0**		mg/kg dry	0.161	0.574	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7439-89-6	**Iron**	**25600**		mg/kg dry	0.632	1.15	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7439-92-1	**Lead**	**113**		mg/kg dry	0.115	0.345	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7439-95-4	**Magnesium**	**4990**		mg/kg dry	0.942	2.30	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7439-96-5	**Manganese**	**511**		mg/kg dry	0.092	1.15	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-02-0	**Nickel**	**19.8**		mg/kg dry	0.080	0.574	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-09-7	**Potassium**	**2410**		mg/kg dry	3.12	11.5	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7782-49-2	**Selenium**	**4.20**		mg/kg dry	0.242	0.574	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-22-4	Silver	ND		mg/kg dry	0.103	0.574	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-23-5	**Sodium**	**222**	B	mg/kg dry	7.72	11.5	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-28-0	Thallium	ND		mg/kg dry	0.218	0.574	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-62-2	**Vanadium**	**32.6**		mg/kg dry	0.092	0.574	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW
7440-66-6	**Zinc**	**77.3**		mg/kg dry	0.080	0.574	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:43	MW

Sample Information

Client Sample ID: B-12 (9-10) **York Sample ID:** 11C0083-19

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	February 22, 2011 12:00 am	03/02/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.111	0.115	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**87.1**		%	0.100	0.100	1	SM 2540G	03/04/2011 15:41	03/04/2011 15:41	MZ

Sample Information

Client Sample ID: B-13 (0-2) **York Sample ID:** 11C0083-20

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	March 1, 2011 3:00 pm	03/02/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.5	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.6	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.7	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.9	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.7	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.2	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.0	25	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.1	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	25	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.5	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.6	25	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.9	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.6	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.8	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.60	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.0	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.3	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.9	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS

Sample Information

Client Sample ID: B-13 (0-2) **York Sample ID:** 11C0083-20

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5035B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.9	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.6	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
71-43-2	Benzene	ND		ug/kg dry	1.3	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.7	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.5	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
75-25-2	Bromoform	ND		ug/kg dry	1.6	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.4	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.9	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.96	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.1	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
67-66-3	Chloroform	ND		ug/kg dry	0.99	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.96	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.7	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.96	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.2	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.1	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.0	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
75-09-2	**Methylene chloride**	**20**	J, B	ug/kg dry	2.9	25	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.4	25	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.88	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.6	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.4	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.5	25	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.69	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.4	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
100-42-5	Styrene	ND		ug/kg dry	1.2	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.3	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.4	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS

Sample Information

Client Sample ID: B-13 (0-2) **York Sample ID:** 11C0083-20

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.63	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.8	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.9	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.6	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	13	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.9	38	2	EPA SW846-8260B	03/08/2011 08:53	03/08/2011 08:53	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2310	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1850	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2020	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1450	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	1150	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	2070	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	1730	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	1360	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	3560	8480	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	1850	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	2020	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	1290	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	2470	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	1480	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	1560	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	1450	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1070	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	1540	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	3200	8480	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	1770	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	457	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	1670	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	1220	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	1910	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD

Sample Information

Client Sample ID: **B-13 (0-2)** **York Sample ID:** **11C0083-20**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	1410	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	1530	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
83-32-9	Acenaphthene	ND		ug/kg dry	2460	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	1190	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
62-53-3	Aniline	ND		ug/kg dry	1520	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
120-12-7	**Anthracene**	**1920**	J	ug/kg dry	1050	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
56-55-3	**Benzo(a)anthracene**	**14100**		ug/kg dry	1640	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
50-32-8	**Benzo(a)pyrene**	**6670**		ug/kg dry	1100	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
205-99-2	**Benzo(b)fluoranthene**	**7050**		ug/kg dry	1610	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	1270	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
207-08-9	**Benzo(k)fluoranthene**	**7990**		ug/kg dry	1640	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	1370	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	1770	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	1560	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	1440	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	1570	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
117-81-7	**Bis(2-ethylhexyl)phthalate**	**2620**	J	ug/kg dry	1420	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
218-01-9	**Chrysene**	**14400**		ug/kg dry	1710	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	1070	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	1370	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	2220	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	1220	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	1270	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1910	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
206-44-0	**Fluoranthene**	**28600**		ug/kg dry	2460	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
86-73-7	Fluorene	ND		ug/kg dry	1190	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	691	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1700	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	3150	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	1520	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	1560	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
78-59-1	Isophorone	ND		ug/kg dry	1570	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
91-20-3	Naphthalene	ND		ug/kg dry	1270	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	1910	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	1530	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD

Sample Information

Client Sample ID: **B-13 (0-2)** **York Sample ID:** **11C0083-20**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	1110	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	2460	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	1190	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
85-01-8	**Phenanthrene**	**9610**		ug/kg dry	1560	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
108-95-2	Phenol	ND		ug/kg dry	1700	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
129-00-0	**Pyrene**	**25100**		ug/kg dry	1520	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD
110-86-1	Pyridine	ND		ug/kg dry	1660	4240	20	EPA SW-846 8270C	03/04/2011 12:42	03/07/2011 23:58	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8640**		mg/kg dry	1.60	2.54	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-36-0	**Antimony**	**8.33**		mg/kg dry	0.178	0.381	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-38-2	**Arsenic**	**6.51**		mg/kg dry	0.242	0.636	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-39-3	**Barium**	**667**		mg/kg dry	0.305	0.636	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.010	0.127	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-43-9	**Cadmium**	**0.919**		mg/kg dry	0.165	0.636	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-70-2	**Calcium**	**41100**		mg/kg dry	0.055	2.54	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-47-3	**Chromium**	**44.5**		mg/kg dry	0.102	0.636	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-48-4	**Cobalt**	**7.52**		mg/kg dry	0.102	0.636	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-50-8	**Copper**	**138**		mg/kg dry	0.178	0.636	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7439-89-6	**Iron**	**18500**		mg/kg dry	0.699	1.27	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7439-92-1	**Lead**	**626**		mg/kg dry	0.127	0.381	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7439-95-4	**Magnesium**	**6950**		mg/kg dry	1.04	2.54	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7439-96-5	**Manganese**	**268**		mg/kg dry	0.102	1.27	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-02-0	**Nickel**	**19.5**		mg/kg dry	0.089	0.636	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-09-7	**Potassium**	**1560**		mg/kg dry	3.46	12.7	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7782-49-2	**Selenium**	**2.67**		mg/kg dry	0.268	0.636	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-22-4	Silver	ND		mg/kg dry	0.114	0.636	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-23-5	**Sodium**	**590**	B	mg/kg dry	8.54	12.7	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-28-0	Thallium	ND		mg/kg dry	0.242	0.636	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-62-2	**Vanadium**	**29.8**		mg/kg dry	0.102	0.636	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW
7440-66-6	**Zinc**	**692**		mg/kg dry	0.089	0.636	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 21:48	MW

Sample Information

Client Sample ID: B-13 (0-2) **York Sample ID:** 11C0083-20

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	March 1, 2011 3:00 pm	03/02/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.153**		mg/kg dry	0.123	0.127	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**78.7**		%	0.100	0.100	1	SM 2540G	03/04/2011 15:41	03/04/2011 15:41	MZ

Sample Information

Client Sample ID: B-13 (10) **York Sample ID:** 11C0083-21

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	March 1, 2011 3:00 pm	03/02/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.95	24	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	24	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	24	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.57	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.95	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS

Sample Information

Client Sample ID: B-13 (10) **York Sample ID:** 11C0083-21

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5035B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.90	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
67-66-3	Chloroform	ND		ug/kg dry	0.93	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.90	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.90	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.0	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.98	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
75-09-2	**Methylene chloride**	**13**	J, B	ug/kg dry	2.7	24	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.82	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	24	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.64	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS

Sample Information

Client Sample ID: B-13 (10) **York Sample ID:** 11C0083-21

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.59	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	36	2	EPA SW846-8260B	03/08/2011 09:27	03/08/2011 09:27	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	108	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	87.0	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	94.7	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	68.2	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	54.1	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	97.3	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	81.2	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	63.8	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	167	398	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	87.0	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	94.7	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	60.7	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	116	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	69.2	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	73.1	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	68.2	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	50.1	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	72.1	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	150	398	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	82.9	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.4	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	78.5	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	57.3	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	89.4	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD

Sample Information

Client Sample ID: B-13 (10) **York Sample ID:** 11C0083-21

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	66.0	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	71.9	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
83-32-9	Acenaphthene	ND		ug/kg dry	115	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	55.7	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
62-53-3	Aniline	ND		ug/kg dry	71.5	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
120-12-7	Anthracene	ND		ug/kg dry	49.3	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	76.9	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	51.8	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	75.6	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	59.8	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	77.0	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	64.3	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	82.9	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	73.3	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	67.5	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	73.8	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	66.6	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
218-01-9	Chrysene	ND		ug/kg dry	80.1	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50.2	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	64.2	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	104	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	57.3	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	59.4	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	89.4	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
206-44-0	Fluoranthene	ND		ug/kg dry	115	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
86-73-7	Fluorene	ND		ug/kg dry	55.7	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	32.4	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	79.5	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	148	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	71.5	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	73.3	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
78-59-1	Isophorone	ND		ug/kg dry	73.8	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
91-20-3	Naphthalene	ND		ug/kg dry	59.4	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	89.4	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	71.9	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD

Sample Information

Client Sample ID: B-13 (10) **York Sample ID:** 11C0083-21

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	51.9	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	115	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	55.7	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
85-01-8	Phenanthrene	ND		ug/kg dry	73.3	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
108-95-2	Phenol	ND		ug/kg dry	79.5	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
129-00-0	Pyrene	ND		ug/kg dry	71.3	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD
110-86-1	Pyridine	ND		ug/kg dry	77.6	199	1	EPA SW-846 8270C	03/04/2011 12:42	03/08/2011 00:31	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**9570**		mg/kg dry	1.50	2.39	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-36-0	**Antimony**	**0.870**		mg/kg dry	0.167	0.358	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-38-2	**Arsenic**	**1.23**		mg/kg dry	0.227	0.596	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-39-3	**Barium**	**127**		mg/kg dry	0.286	0.596	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.010	0.119	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.155	0.596	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-70-2	**Calcium**	**1330**		mg/kg dry	0.052	2.39	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-47-3	**Chromium**	**17.6**		mg/kg dry	0.095	0.596	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-48-4	**Cobalt**	**4.39**		mg/kg dry	0.095	0.596	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-50-8	**Copper**	**15.6**		mg/kg dry	0.167	0.596	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7439-89-6	**Iron**	**10100**		mg/kg dry	0.656	1.19	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7439-92-1	**Lead**	**10.7**		mg/kg dry	0.119	0.358	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7439-95-4	**Magnesium**	**2920**		mg/kg dry	0.978	2.39	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7439-96-5	**Manganese**	**77.3**		mg/kg dry	0.095	1.19	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-02-0	**Nickel**	**12.0**		mg/kg dry	0.083	0.596	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-09-7	**Potassium**	**619**		mg/kg dry	3.24	11.9	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7782-49-2	**Selenium**	**1.42**		mg/kg dry	0.252	0.596	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-22-4	Silver	ND		mg/kg dry	0.107	0.596	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-23-5	**Sodium**	**184**	B	mg/kg dry	8.01	11.9	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-28-0	Thallium	ND		mg/kg dry	0.227	0.596	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-62-2	**Vanadium**	**18.7**		mg/kg dry	0.095	0.596	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW
7440-66-6	**Zinc**	**54.6**		mg/kg dry	0.083	0.596	1	EPA SW846-6010B	03/03/2011 15:30	03/03/2011 22:04	MW

Sample Information

Client Sample ID: B-13 (10) **York Sample ID:** 11C0083-21

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Soil	March 1, 2011 3:00 pm	03/02/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.116	0.119	1	EPA SW846-7471	03/04/2011 11:13	03/04/2011 11:13	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**83.8**		%	0.100	0.100	1	SM 2540G	03/04/2011 15:41	03/04/2011 15:41	MZ

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 11C0083-22

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 11C0083-22

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**1.1**	J	ug/L	0.38	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
75-09-2	**Methylene chloride**	**3.9**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
91-20-3	Naphthalene	ND		ug/L	0.50	10	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 11C0083-22

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	03/08/2011 06:25	03/08/2011 06:25	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.54	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.93	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.23	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.80	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	4.24	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.85	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.64	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
105-67-9	2,4-Dimethylphenol	ND		ug/L	4.33	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
51-28-5	2,4-Dinitrophenol	ND		ug/L	11.3	11.8	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	4.13	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
91-58-7	2-Chloronaphthalene	ND		ug/L	4.10	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
95-57-8	2-Chlorophenol	ND		ug/L	4.02	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
91-57-6	2-Methylnaphthalene	ND		ug/L	3.62	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
95-48-7	2-Methylphenol	ND		ug/L	1.01	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
88-74-4	2-Nitroaniline	ND		ug/L	3.54	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
88-75-5	2-Nitrophenol	ND		ug/L	3.65	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	4.13	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
99-09-2	3-Nitroaniline	ND		ug/L	1.88	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	7.88	11.8	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	4.05	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	4.27	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
106-47-8	4-Chloroaniline	ND		ug/L	4.40	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.67	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 11C0083-22

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Methylphenol	ND		ug/L	4.37	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
100-02-7	4-Nitroaniline	ND		ug/L	4.43	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
56-57-5	4-Nitrophenol	ND		ug/L	4.64	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
83-32-9	Acenaphthene	ND		ug/L	3.81	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
208-96-8	Acenaphthylene	ND		ug/L	5.03	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
62-53-3	Aniline	ND		ug/L	2.31	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
120-12-7	Anthracene	ND		ug/L	4.31	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	4.79	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	5.70	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.85	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.89	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	4.07	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
100-51-6	Benzyl alcohol	ND		ug/L	4.71	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.71	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	5.70	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	4.85	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	4.89	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	3.03	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
218-01-9	Chrysene	ND		ug/L	4.89	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.65	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
132-64-9	Dibenzofuran	ND		ug/L	3.41	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
84-66-2	Diethyl phthalate	ND		ug/L	2.59	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
131-11-3	Dimethyl phthalate	ND		ug/L	5.70	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
84-74-2	Di-n-butyl phthalate	ND		ug/L	4.85	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
117-84-0	Di-n-octyl phthalate	ND		ug/L	4.89	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
206-44-0	Fluoranthene	ND		ug/L	1.88	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
86-73-7	Fluorene	ND		ug/L	3.79	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
118-74-1	Hexachlorobenzene	ND		ug/L	3.48	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
87-68-3	Hexachlorobutadiene	ND		ug/L	3.89	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	4.05	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
67-72-1	Hexachloroethane	ND		ug/L	4.27	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	3.23	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
78-59-1	Isophorone	ND		ug/L	3.80	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
91-20-3	Naphthalene	ND		ug/L	4.54	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
98-95-3	Nitrobenzene	ND		ug/L	2.31	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 11C0083-22

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		ug/L	3.65	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.03	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	4.26	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
87-86-5	Pentachlorophenol	ND		ug/L	4.43	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
85-01-8	Phenanthrene	ND		ug/L	4.24	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
108-95-2	Phenol	ND		ug/L	3.85	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
129-00-0	Pyrene	ND		ug/L	2.78	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD
110-86-1	Pyridine	ND		ug/L	3.75	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:12	TD

Pesticides, 8081 target list

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

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

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00106	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00111	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
50-29-3	4,4'-DDT	ND		ug/L	0.000933	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
309-00-2	Aldrin	ND		ug/L	0.000967	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
319-84-6	alpha-BHC	ND		ug/L	0.00107	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.000733	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
319-85-7	beta-BHC	ND		ug/L	0.000878	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
319-86-8	delta-BHC	ND		ug/L	0.00107	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
60-57-1	Dieldrin	ND		ug/L	0.000789	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
959-98-8	Endosulfan I	ND		ug/L	0.000878	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
33213-65-9	Endosulfan II	ND		ug/L	0.000933	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00106	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
72-20-8	Endrin	ND		ug/L	0.00104	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.000756	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
53494-70-5	Endrin ketone	ND		ug/L	0.00101	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00107	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.000733	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
76-44-8	Heptachlor	ND		ug/L	0.00106	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.000833	0.00111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
72-43-5	Methoxychlor	ND		ug/L	0.00218	0.00556	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW
8001-35-2	Toxaphene	ND		ug/L	0.111	0.111	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:10	JW

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 11C0083-22

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

PCB (Polychlorinated Biphenyls)

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

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

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0403	0.0556	1	EPA Method 608	03/08/2011 08:31	03/09/2011 08:42	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0403	0.0556	1	EPA Method 608	03/08/2011 08:31	03/09/2011 08:42	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0403	0.0556	1	EPA Method 608	03/08/2011 08:31	03/09/2011 08:42	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0403	0.0556	1	EPA Method 608	03/08/2011 08:31	03/09/2011 08:42	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0403	0.0556	1	EPA Method 608	03/08/2011 08:31	03/09/2011 08:42	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0469	0.0556	1	EPA Method 608	03/08/2011 08:31	03/09/2011 08:42	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0469	0.0556	1	EPA Method 608	03/08/2011 08:31	03/09/2011 08:42	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0469	0.0556	1	EPA Method 608	03/08/2011 08:31	03/09/2011 08:42	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0469	0.0556	1	EPA Method 608	03/08/2011 08:31	03/09/2011 08:42	JW
1336-36-3	Total PCBs	ND		ug/L	0.403	0.556	1	EPA Method 608	03/08/2011 08:31	03/09/2011 08:42	JW

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.007	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-39-3	**Barium**	**0.062**		mg/L	0.004	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-70-2	**Calcium**	**114**		mg/L	0.009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-48-4	**Cobalt**	**0.007**		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7439-89-6	**Iron**	**0.333**		mg/L	0.006	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7439-92-1	Lead	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7439-95-4	**Magnesium**	**73.4**		mg/L	0.008	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7439-96-5	**Manganese**	**2.62**		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-02-0	Nickel	ND		mg/L	0.0008	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-09-7	**Potassium**	**4.74**		mg/L	0.026	0.050	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7782-49-2	Selenium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-23-5	**Sodium**	**161**		mg/L	0.066	0.100	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:34	MW

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 11C0083-22

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Metals, Target Analyte **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.575**		mg/L	0.007	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-39-3	**Barium**	**0.068**		mg/L	0.004	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-70-2	**Calcium**	**115**		mg/L	0.009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-48-4	**Cobalt**	**0.008**		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-50-8	**Copper**	**0.005**		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7439-89-6	**Iron**	**2.93**		mg/L	0.006	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7439-92-1	Lead	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7439-95-4	**Magnesium**	**71.5**		mg/L	0.008	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7439-96-5	**Manganese**	**2.61**		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-02-0	**Nickel**	**0.005**		mg/L	0.0008	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-09-7	**Potassium**	**4.66**		mg/L	0.026	0.050	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7782-49-2	Selenium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-23-5	**Sodium**	**161**		mg/L	0.066	0.100	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:39	MW

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	03/04/2011 16:30	03/04/2011 16:30	AA

Mercury, Dissolved **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	03/04/2011 16:31	03/04/2011 16:31	AA

Sample Information

Client Sample ID: TW-2 **York Sample ID:** 11C0083-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Sample Information

Client Sample ID: TW-2 **York Sample ID:** 11C0083-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: TW-2 **York Sample ID:** 11C0083-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
75-09-2	**Methylene chloride**	**3.9**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
91-20-3	**Naphthalene**	**1.4**	J	ug/L	0.50	10	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	03/08/2011 07:15	03/08/2011 07:15	SS

Sample Information

Client Sample ID: TW-2 **York Sample ID:** 11C0083-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.46	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.82	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.05	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.58	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	4.01	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.64	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.43	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
105-67-9	2,4-Dimethylphenol	ND		ug/L	4.09	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
51-28-5	2,4-Dinitrophenol	ND		ug/L	10.7	11.1	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.90	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
91-58-7	2-Chloronaphthalene	ND		ug/L	3.88	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
95-57-8	2-Chlorophenol	ND		ug/L	3.80	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
91-57-6	2-Methylnaphthalene	ND		ug/L	3.42	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
95-48-7	2-Methylphenol	ND		ug/L	0.952	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
88-74-4	2-Nitroaniline	ND		ug/L	3.34	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
88-75-5	2-Nitrophenol	ND		ug/L	3.45	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	3.90	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
99-09-2	3-Nitroaniline	ND		ug/L	1.77	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	7.44	11.1	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.83	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	4.03	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
106-47-8	4-Chloroaniline	ND		ug/L	4.16	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.47	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
100-01-6	4-Methylphenol	ND		ug/L	4.13	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
100-02-7	4-Nitroaniline	ND		ug/L	4.19	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
56-57-5	4-Nitrophenol	ND		ug/L	4.38	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
83-32-9	Acenaphthene	ND		ug/L	3.60	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
208-96-8	Acenaphthylene	ND		ug/L	4.75	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
62-53-3	Aniline	ND		ug/L	2.18	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
120-12-7	Anthracene	ND		ug/L	4.07	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	4.52	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	5.39	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.58	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD

Sample Information

Client Sample ID: TW-2 **York Sample ID:** 11C0083-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.84	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
100-51-6	Benzyl alcohol	ND		ug/L	4.44	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	5.39	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	4.58	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	2.86	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
218-01-9	Chrysene	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.44	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
132-64-9	Dibenzofuran	ND		ug/L	3.22	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
84-66-2	Diethyl phthalate	ND		ug/L	2.44	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
131-11-3	Dimethyl phthalate	ND		ug/L	5.39	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
84-74-2	Di-n-butyl phthalate	ND		ug/L	4.58	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
117-84-0	Di-n-octyl phthalate	ND		ug/L	4.61	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
206-44-0	Fluoranthene	ND		ug/L	1.77	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
86-73-7	Fluorene	ND		ug/L	3.58	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
118-74-1	Hexachlorobenzene	ND		ug/L	3.28	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
87-68-3	Hexachlorobutadiene	ND		ug/L	3.68	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.83	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
67-72-1	Hexachloroethane	ND		ug/L	4.03	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	3.05	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
78-59-1	Isophorone	ND		ug/L	3.58	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
91-20-3	Naphthalene	ND		ug/L	4.29	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
98-95-3	Nitrobenzene	ND		ug/L	2.18	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	3.45	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	4.02	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
87-86-5	Pentachlorophenol	ND		ug/L	4.18	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
85-01-8	Phenanthrene	ND		ug/L	4.01	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
108-95-2	Phenol	ND		ug/L	3.64	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
129-00-0	Pyrene	ND		ug/L	2.63	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD
110-86-1	Pyridine	ND		ug/L	3.54	5.56	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 17:43	TD

Sample Information

Client Sample ID: TW-2 **York Sample ID:** 11C0083-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00112	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00118	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
50-29-3	4,4'-DDT	ND		ug/L	0.000988	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
309-00-2	Aldrin	ND		ug/L	0.00102	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
319-84-6	alpha-BHC	ND		ug/L	0.00113	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.000776	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
319-85-7	beta-BHC	ND		ug/L	0.000929	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
319-86-8	delta-BHC	ND		ug/L	0.00113	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
60-57-1	Dieldrin	ND		ug/L	0.000835	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
959-98-8	Endosulfan I	ND		ug/L	0.000929	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
33213-65-9	Endosulfan II	ND		ug/L	0.000988	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00112	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
72-20-8	Endrin	ND		ug/L	0.00111	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.000800	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
53494-70-5	Endrin ketone	ND		ug/L	0.00107	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00113	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.000776	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
76-44-8	Heptachlor	ND		ug/L	0.00112	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.000882	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
72-43-5	Methoxychlor	ND		ug/L	0.00231	0.00588	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW
8001-35-2	Toxaphene	ND		ug/L	0.118	0.118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:25	JW

PCB (Polychlorinated Biphenyls)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:19	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:19	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:19	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:19	JW
12672-29-6	**Aroclor 1248**	**1.59**		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:19	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0496	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:19	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0496	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:19	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0496	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:19	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0496	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:19	JW
1336-36-3	**Total PCBs**	**1.59**		ug/L	0.427	0.588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:19	JW

Sample Information

Client Sample ID: TW-2 **York Sample ID:** 11C0083-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.007	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-39-3	**Barium**	**0.127**		mg/L	0.004	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-70-2	**Calcium**	**256**		mg/L	0.009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-48-4	Cobalt	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7439-89-6	**Iron**	**0.025**		mg/L	0.006	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7439-92-1	Lead	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7439-95-4	**Magnesium**	**72.4**		mg/L	0.008	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7439-96-5	**Manganese**	**0.596**		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-02-0	Nickel	ND		mg/L	0.0008	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-09-7	**Potassium**	**17.7**		mg/L	0.026	0.050	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7782-49-2	Selenium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-23-5	**Sodium**	**273**		mg/L	0.066	0.100	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 18:44	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**1.03**		mg/L	0.007	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-39-3	**Barium**	**0.152**		mg/L	0.004	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-70-2	**Calcium**	**258**		mg/L	0.009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-48-4	Cobalt	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-50-8	**Copper**	**0.010**		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW

Sample Information

Client Sample ID: TW-2 **York Sample ID:** 11C0083-23

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.73**		mg/L	0.006	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7439-92-1	**Lead**	**0.014**		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7439-95-4	**Magnesium**	**71.6**		mg/L	0.008	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7439-96-5	**Manganese**	**0.633**		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-02-0	Nickel	ND		mg/L	0.0008	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-09-7	**Potassium**	**17.4**		mg/L	0.026	0.050	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7782-49-2	Selenium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-23-5	**Sodium**	**274**		mg/L	0.066	0.100	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW
7440-66-6	**Zinc**	**0.025**		mg/L	0.0009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:01	MW

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	03/04/2011 16:30	03/04/2011 16:30	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	03/04/2011 16:31	03/04/2011 16:31	AA

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 11C0083-24

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 11C0083-24

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 11C0083-24

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
75-09-2	**Methylene chloride**	**3.6**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
91-20-3	Naphthalene	ND		ug/L	0.50	10	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	03/08/2011 08:05	03/08/2011 08:05	SS

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 11C0083-24

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.50	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.87	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.14	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.69	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	4.12	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.74	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.53	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
105-67-9	2,4-Dimethylphenol	ND		ug/L	4.21	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
51-28-5	2,4-Dinitrophenol	ND		ug/L	11.0	11.4	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	4.01	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
91-58-7	2-Chloronaphthalene	ND		ug/L	3.99	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
95-57-8	2-Chlorophenol	ND		ug/L	3.90	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
91-57-6	2-Methylnaphthalene	ND		ug/L	3.51	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
95-48-7	2-Methylphenol	ND		ug/L	0.980	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
88-74-4	2-Nitroaniline	ND		ug/L	3.44	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
88-75-5	2-Nitrophenol	ND		ug/L	3.55	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	4.01	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
99-09-2	3-Nitroaniline	ND		ug/L	1.82	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	7.66	11.4	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.94	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	4.15	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
106-47-8	4-Chloroaniline	ND		ug/L	4.27	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.57	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
100-01-6	4-Methylphenol	ND		ug/L	4.25	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
100-02-7	4-Nitroaniline	ND		ug/L	4.31	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
56-57-5	4-Nitrophenol	ND		ug/L	4.50	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
83-32-9	Acenaphthene	ND		ug/L	3.70	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
208-96-8	Acenaphthylene	ND		ug/L	4.89	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
62-53-3	Aniline	ND		ug/L	2.25	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
120-12-7	Anthracene	ND		ug/L	4.18	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	4.65	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	5.54	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.71	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.75	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 11C0083-24

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.95	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
100-51-6	Benzyl alcohol	ND		ug/L	4.57	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	5.54	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	4.71	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	4.75	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	2.94	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
218-01-9	Chrysene	ND		ug/L	4.75	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.54	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
132-64-9	Dibenzofuran	ND		ug/L	3.31	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
84-66-2	Diethyl phthalate	ND		ug/L	2.51	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
131-11-3	Dimethyl phthalate	ND		ug/L	5.54	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
84-74-2	Di-n-butyl phthalate	ND		ug/L	4.71	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
117-84-0	Di-n-octyl phthalate	ND		ug/L	4.75	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
206-44-0	Fluoranthene	ND		ug/L	1.82	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
86-73-7	Fluorene	ND		ug/L	3.69	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
118-74-1	Hexachlorobenzene	ND		ug/L	3.38	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
87-68-3	Hexachlorobutadiene	ND		ug/L	3.78	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.94	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
67-72-1	Hexachloroethane	ND		ug/L	4.15	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	3.14	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
78-59-1	Isophorone	ND		ug/L	3.69	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
91-20-3	Naphthalene	ND		ug/L	4.41	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
98-95-3	Nitrobenzene	ND		ug/L	2.25	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	3.55	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.94	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	4.14	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
87-86-5	Pentachlorophenol	ND		ug/L	4.30	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
85-01-8	Phenanthrene	ND		ug/L	4.12	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
108-95-2	Phenol	ND		ug/L	3.74	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
129-00-0	Pyrene	ND		ug/L	2.70	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD
110-86-1	Pyridine	ND		ug/L	3.64	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:15	TD

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 11C0083-24

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00103	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00108	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
50-29-3	4,4'-DDT	ND		ug/L	0.000908	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
309-00-2	Aldrin	ND		ug/L	0.000941	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
319-84-6	alpha-BHC	ND		ug/L	0.00104	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.000714	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
319-85-7	beta-BHC	ND		ug/L	0.000854	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
319-86-8	delta-BHC	ND		ug/L	0.00104	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
60-57-1	Dieldrin	ND		ug/L	0.000768	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
959-98-8	Endosulfan I	ND		ug/L	0.000854	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
33213-65-9	Endosulfan II	ND		ug/L	0.000908	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00103	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
72-20-8	Endrin	ND		ug/L	0.00102	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.000735	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
53494-70-5	Endrin ketone	ND		ug/L	0.000984	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00104	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.000714	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
76-44-8	Heptachlor	ND		ug/L	0.00103	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.000811	0.00108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
72-43-5	Methoxychlor	ND		ug/L	0.00212	0.00541	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW
8001-35-2	Toxaphene	ND		ug/L	0.108	0.108	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:40	JW

PCB (Polychlorinated Biphenyls)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0392	0.0541	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:58	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0392	0.0541	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:58	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0392	0.0541	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:58	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0392	0.0541	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:58	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0392	0.0541	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:58	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0456	0.0541	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:58	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0456	0.0541	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:58	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0456	0.0541	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:58	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0456	0.0541	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:58	JW
1336-36-3	Total PCBs	ND		ug/L	0.392	0.541	1	EPA Method 608	03/08/2011 08:31	03/09/2011 09:58	JW

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 11C0083-24

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.007	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-39-3	**Barium**	**0.093**		mg/L	0.004	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-70-2	**Calcium**	**74.1**		mg/L	0.009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-48-4	Cobalt	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7439-89-6	**Iron**	**0.014**		mg/L	0.006	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7439-92-1	Lead	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7439-95-4	**Magnesium**	**92.5**		mg/L	0.008	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7439-96-5	**Manganese**	**1.28**		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-02-0	Nickel	ND		mg/L	0.0008	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-09-7	**Potassium**	**5.44**		mg/L	0.026	0.050	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7782-49-2	Selenium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-23-5	**Sodium**	**62.4**		mg/L	0.066	0.100	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:06	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.540**		mg/L	0.007	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-39-3	**Barium**	**0.111**		mg/L	0.004	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-70-2	**Calcium**	**74.8**		mg/L	0.009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-48-4	Cobalt	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-50-8	**Copper**	**0.006**		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW

Sample Information

Client Sample ID: MW-3 **York Sample ID:** 11C0083-24

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Metals, Target Analyte **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.857**		mg/L	0.006	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7439-92-1	Lead	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7439-95-4	**Magnesium**	**92.5**		mg/L	0.008	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7439-96-5	**Manganese**	**1.40**		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-02-0	**Nickel**	**0.006**		mg/L	0.0008	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-09-7	**Potassium**	**5.55**		mg/L	0.026	0.050	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7782-49-2	**Selenium**	**0.010**		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-23-5	**Sodium**	**64.5**		mg/L	0.066	0.100	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:11	MW

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.000200	1	EPA SW846-7470	03/04/2011 16:30	03/04/2011 16:30	AA

Mercury, Dissolved **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.000200	1	EPA SW846-7470	03/04/2011 16:31	03/04/2011 16:31	AA

Sample Information

Client Sample ID: Dup **York Sample ID:** 11C0083-25

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS

Sample Information

Client Sample ID: **Dup** **York Sample ID:** **11C0083-25**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Dup** **York Sample ID:** **11C0083-25**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**1.1**	J	ug/L	0.38	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
75-09-2	**Methylene chloride**	**3.9**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
91-20-3	Naphthalene	ND		ug/L	0.50	10	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	03/08/2011 08:54	03/08/2011 08:54	SS

Sample Information

Client Sample ID: Dup

York Sample ID: 11C0083-25

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.50	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.87	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.14	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.69	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	4.12	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.74	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.53	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
105-67-9	2,4-Dimethylphenol	ND		ug/L	4.21	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
51-28-5	2,4-Dinitrophenol	ND		ug/L	11.0	11.4	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	4.01	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
91-58-7	2-Chloronaphthalene	ND		ug/L	3.99	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
95-57-8	2-Chlorophenol	ND		ug/L	3.90	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
91-57-6	2-Methylnaphthalene	ND		ug/L	3.51	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
95-48-7	2-Methylphenol	ND		ug/L	0.980	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
88-74-4	2-Nitroaniline	ND		ug/L	3.44	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
88-75-5	2-Nitrophenol	ND		ug/L	3.55	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	4.01	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
99-09-2	3-Nitroaniline	ND		ug/L	1.82	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	7.66	11.4	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.94	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	4.15	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
106-47-8	4-Chloroaniline	ND		ug/L	4.27	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.57	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
100-01-6	4-Methylphenol	ND		ug/L	4.25	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
100-02-7	4-Nitroaniline	ND		ug/L	4.31	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
56-57-5	4-Nitrophenol	ND		ug/L	4.50	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
83-32-9	Acenaphthene	ND		ug/L	3.70	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
208-96-8	Acenaphthylene	ND		ug/L	4.89	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
62-53-3	Aniline	ND		ug/L	2.25	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
120-12-7	Anthracene	ND		ug/L	4.18	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	4.65	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	5.54	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.71	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.75	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD

Sample Information

Client Sample ID: Dup

York Sample ID: 11C0083-25

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.95	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
100-51-6	Benzyl alcohol	ND		ug/L	4.57	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	5.54	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	4.71	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	4.75	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	2.94	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
218-01-9	Chrysene	ND		ug/L	4.75	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.54	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
132-64-9	Dibenzofuran	ND		ug/L	3.31	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
84-66-2	Diethyl phthalate	ND		ug/L	2.51	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
131-11-3	Dimethyl phthalate	ND		ug/L	5.54	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
84-74-2	Di-n-butyl phthalate	ND		ug/L	4.71	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
117-84-0	Di-n-octyl phthalate	ND		ug/L	4.75	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
206-44-0	Fluoranthene	ND		ug/L	1.82	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
86-73-7	Fluorene	ND		ug/L	3.69	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
118-74-1	Hexachlorobenzene	ND		ug/L	3.38	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
87-68-3	Hexachlorobutadiene	ND		ug/L	3.78	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.94	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
67-72-1	Hexachloroethane	ND		ug/L	4.15	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	3.14	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
78-59-1	Isophorone	ND		ug/L	3.69	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
91-20-3	Naphthalene	ND		ug/L	4.41	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
98-95-3	Nitrobenzene	ND		ug/L	2.25	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	3.55	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.94	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	4.14	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
87-86-5	Pentachlorophenol	ND		ug/L	4.30	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
85-01-8	Phenanthrene	ND		ug/L	4.12	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
108-95-2	Phenol	ND		ug/L	3.74	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
129-00-0	Pyrene	ND		ug/L	2.70	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD
110-86-1	Pyridine	ND		ug/L	3.64	5.71	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 18:46	TD

Sample Information

Client Sample ID: Dup

York Sample ID: 11C0083-25

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00112	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00118	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
50-29-3	4,4'-DDT	ND		ug/L	0.000988	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
309-00-2	Aldrin	ND		ug/L	0.00102	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
319-84-6	alpha-BHC	ND		ug/L	0.00113	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.000776	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
319-85-7	beta-BHC	ND		ug/L	0.000929	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
319-86-8	delta-BHC	ND		ug/L	0.00113	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
60-57-1	Dieldrin	ND		ug/L	0.000835	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
959-98-8	Endosulfan I	ND		ug/L	0.000929	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
33213-65-9	Endosulfan II	ND		ug/L	0.000988	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00112	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
72-20-8	Endrin	ND		ug/L	0.00111	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.000800	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
53494-70-5	Endrin ketone	ND		ug/L	0.00107	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00113	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.000776	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
76-44-8	Heptachlor	ND		ug/L	0.00112	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.000882	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
72-43-5	Methoxychlor	ND		ug/L	0.00231	0.00588	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW
8001-35-2	Toxaphene	ND		ug/L	0.118	0.118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 14:55	JW

PCB (Polychlorinated Biphenyls)

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 10:37	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 10:37	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 10:37	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 10:37	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 10:37	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0496	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 10:37	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0496	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 10:37	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0496	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 10:37	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0496	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 10:37	JW
1336-36-3	Total PCBs	ND		ug/L	0.427	0.588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 10:37	JW

Sample Information

Client Sample ID: **Dup** **York Sample ID:** **11C0083-25**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.007	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-39-3	**Barium**	**0.060**		mg/L	0.004	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-70-2	**Calcium**	**114**		mg/L	0.009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-48-4	**Cobalt**	**0.007**		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7439-89-6	**Iron**	**0.408**		mg/L	0.006	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7439-92-1	Lead	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7439-95-4	**Magnesium**	**72.2**		mg/L	0.008	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7439-96-5	**Manganese**	**2.60**		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-02-0	Nickel	ND		mg/L	0.0008	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-09-7	**Potassium**	**4.58**		mg/L	0.026	0.050	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7782-49-2	Selenium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-23-5	**Sodium**	**155**		mg/L	0.066	0.100	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:16	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**0.585**		mg/L	0.007	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-39-3	**Barium**	**0.069**		mg/L	0.004	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-70-2	**Calcium**	**114**		mg/L	0.009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-48-4	**Cobalt**	**0.008**		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-50-8	**Copper**	**0.005**		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW

Sample Information

Client Sample ID: **Dup** **York Sample ID:** **11C0083-25**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**2.93**		mg/L	0.006	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7439-92-1	Lead	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7439-95-4	**Magnesium**	**74.5**		mg/L	0.008	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7439-96-5	**Manganese**	**2.62**		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-02-0	**Nickel**	**0.005**		mg/L	0.0008	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-09-7	**Potassium**	**5.00**		mg/L	0.026	0.050	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7782-49-2	Selenium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-23-5	**Sodium**	**155**		mg/L	0.066	0.100	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:21	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	03/04/2011 16:30	03/04/2011 16:30	AA

Mercury, Dissolved

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

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	03/04/2011 16:31	03/04/2011 16:31	AA

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **11C0083-26**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **11C0083-26**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **11C0083-26**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
75-09-2	**Methylene chloride**	**6.5**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
91-20-3	Naphthalene	ND		ug/L	0.50	10	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	03/08/2011 09:43	03/08/2011 09:43	SS

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **11C0083-26**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.54	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.93	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.23	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.80	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	4.24	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.85	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.64	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
105-67-9	2,4-Dimethylphenol	ND		ug/L	4.33	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
51-28-5	2,4-Dinitrophenol	ND		ug/L	11.3	11.8	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	4.13	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
91-58-7	2-Chloronaphthalene	ND		ug/L	4.10	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
95-57-8	2-Chlorophenol	ND		ug/L	4.02	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
91-57-6	2-Methylnaphthalene	ND		ug/L	3.62	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
95-48-7	2-Methylphenol	ND		ug/L	1.01	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
88-74-4	2-Nitroaniline	ND		ug/L	3.54	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
88-75-5	2-Nitrophenol	ND		ug/L	3.65	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	4.13	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
99-09-2	3-Nitroaniline	ND		ug/L	1.88	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	7.88	11.8	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	4.05	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	4.27	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
106-47-8	4-Chloroaniline	ND		ug/L	4.40	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.67	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
100-01-6	4-Methylphenol	ND		ug/L	4.37	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
100-02-7	4-Nitroaniline	ND		ug/L	4.43	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
56-57-5	4-Nitrophenol	ND		ug/L	4.64	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
83-32-9	Acenaphthene	ND		ug/L	3.81	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
208-96-8	Acenaphthylene	ND		ug/L	5.03	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
62-53-3	Aniline	ND		ug/L	2.31	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
120-12-7	Anthracene	ND		ug/L	4.31	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
56-55-3	Benzo(a)anthracene	ND		ug/L	4.79	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
50-32-8	Benzo(a)pyrene	ND		ug/L	5.70	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	4.85	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	4.89	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **11C0083-26**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/L	4.07	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
100-51-6	Benzyl alcohol	ND		ug/L	4.71	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.71	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	5.70	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	4.85	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	4.89	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	3.03	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
218-01-9	Chrysene	ND		ug/L	4.89	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.65	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
132-64-9	Dibenzofuran	ND		ug/L	3.41	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
84-66-2	Diethyl phthalate	ND		ug/L	2.59	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
131-11-3	Dimethyl phthalate	ND		ug/L	5.70	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
84-74-2	Di-n-butyl phthalate	ND		ug/L	4.85	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
117-84-0	Di-n-octyl phthalate	ND		ug/L	4.89	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
206-44-0	Fluoranthene	ND		ug/L	1.88	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
86-73-7	Fluorene	ND		ug/L	3.79	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
118-74-1	Hexachlorobenzene	ND		ug/L	3.48	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
87-68-3	Hexachlorobutadiene	ND		ug/L	3.89	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	4.05	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
67-72-1	Hexachloroethane	ND		ug/L	4.27	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	3.23	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
78-59-1	Isophorone	ND		ug/L	3.80	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
91-20-3	Naphthalene	ND		ug/L	4.54	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
98-95-3	Nitrobenzene	ND		ug/L	2.31	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	3.65	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.03	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	4.26	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
87-86-5	Pentachlorophenol	ND		ug/L	4.43	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
85-01-8	Phenanthrene	ND		ug/L	4.24	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
108-95-2	Phenol	ND		ug/L	3.85	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
129-00-0	Pyrene	ND		ug/L	2.78	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD
110-86-1	Pyridine	ND		ug/L	3.75	5.88	1	EPA SW-846 8270C	03/08/2011 13:16	03/08/2011 19:18	TD

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **11C0083-26**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Pesticides, 8081 target list

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

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

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00112	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00118	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
50-29-3	4,4'-DDT	ND		ug/L	0.000988	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
309-00-2	Aldrin	ND		ug/L	0.00102	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
319-84-6	alpha-BHC	ND		ug/L	0.00113	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.000776	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
319-85-7	beta-BHC	ND		ug/L	0.000929	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
319-86-8	delta-BHC	ND		ug/L	0.00113	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
60-57-1	Dieldrin	ND		ug/L	0.000835	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
959-98-8	Endosulfan I	ND		ug/L	0.000929	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
33213-65-9	Endosulfan II	ND		ug/L	0.000988	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00112	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
72-20-8	Endrin	ND		ug/L	0.00111	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.000800	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
53494-70-5	Endrin ketone	ND		ug/L	0.00107	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00113	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.000776	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
76-44-8	Heptachlor	ND		ug/L	0.00112	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.000882	0.00118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
72-43-5	Methoxychlor	ND		ug/L	0.00231	0.00588	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW
8001-35-2	Toxaphene	ND		ug/L	0.118	0.118	1	EPA SW 846-8081	03/08/2011 08:31	03/08/2011 15:10	JW

PCB (Polychlorinated Biphenyls)

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

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

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 11:16	JW
11104-28-2	Aroclor 1221	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 11:16	JW
11141-16-5	Aroclor 1232	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 11:16	JW
53469-21-9	Aroclor 1242	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 11:16	JW
12672-29-6	Aroclor 1248	ND		ug/L	0.0427	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 11:16	JW
11097-69-1	Aroclor 1254	ND		ug/L	0.0496	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 11:16	JW
11096-82-5	Aroclor 1260	ND		ug/L	0.0496	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 11:16	JW
37324-23-5	Aroclor 1262	ND		ug/L	0.0496	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 11:16	JW
11100-14-4	Aroclor 1268	ND		ug/L	0.0496	0.0588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 11:16	JW
1336-36-3	Total PCBs	ND		ug/L	0.427	0.588	1	EPA Method 608	03/08/2011 08:31	03/09/2011 11:16	JW

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **11C0083-26**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Metals, Dissolved - Target Analyte (TAL)

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.007	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-39-3	Barium	ND		mg/L	0.004	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-70-2	Calcium	ND		mg/L	0.009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-48-4	Cobalt	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7439-89-6	Iron	ND		mg/L	0.006	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7439-92-1	Lead	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7439-95-4	Magnesium	ND		mg/L	0.008	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7439-96-5	Manganese	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-02-0	Nickel	ND		mg/L	0.0008	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-09-7	Potassium	ND		mg/L	0.026	0.050	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7782-49-2	Selenium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-23-5	**Sodium**	**0.218**		mg/L	0.066	0.100	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:26	MW

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.007	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-36-0	Antimony	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-38-2	Arsenic	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-39-3	Barium	ND		mg/L	0.004	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-41-7	Beryllium	ND		mg/L	0.0009	0.001	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-43-9	Cadmium	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-70-2	Calcium	ND		mg/L	0.009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-47-3	Chromium	ND		mg/L	0.0009	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-48-4	Cobalt	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW

Sample Information

Client Sample ID: **Field Blank** **York Sample ID:** **11C0083-26**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Metals, Target Analyte **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.002	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7439-89-6	Iron	ND		mg/L	0.006	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7439-92-1	Lead	ND		mg/L	0.001	0.003	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7439-95-4	Magnesium	ND		mg/L	0.008	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7439-96-5	Manganese	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-02-0	Nickel	ND		mg/L	0.0008	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-09-7	Potassium	ND		mg/L	0.026	0.050	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7782-49-2	Selenium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-22-4	Silver	ND		mg/L	0.001	0.005	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-23-5	Sodium	ND		mg/L	0.066	0.100	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-28-0	Thallium	ND		mg/L	0.002	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-62-2	Vanadium	ND		mg/L	0.001	0.010	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW
7440-66-6	Zinc	ND		mg/L	0.0009	0.020	1	EPA SW846-6010B	03/03/2011 15:27	03/03/2011 19:31	MW

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	03/04/2011 16:30	03/04/2011 16:30	AA

Mercury, Dissolved **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0000390	0.0002000	1	EPA SW846-7470	03/04/2011 16:31	03/04/2011 16:31	AA

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **11C0083-27**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **11C0083-27**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **11C0083-27**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11C0083	SB10180.40	Water	March 1, 2011 3:00 pm	03/02/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
75-09-2	**Methylene chloride**	**4.0**	J, B	ug/L	1.1	10	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
91-20-3	Naphthalene	ND		ug/L	0.50	10	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	03/08/2011 10:31	03/08/2011 10:31	SS

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
S-01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
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-Dil	Detected in method blank(s) associated with the sample analysis. This is a common lab artifact which is found at ND-25 ppb. No dilution factor has been applied to these compounds to eliminate artificially inflated results.
B	Analyte is found in the associated analysis batch blank.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

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

Field Chain-of-Custody Record

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York Project No. 11C0083

Client Information	Report to:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: Ecosystems Strategies	SAME ☐	SAME ☐	SB10180.40	RUSH Same Day	Summary X
Address: 14 Davis Ave,	Name: Richard	Name: Brenda		RUSH Next Day	QA/QC Summary
Poughkeepsie	Company:	Company:		RUSH Two Day	CT RCP Pkg
Phone no.: 845 452 1658	Address:	Address:	Purchase Order no.	RUSH Three Day	ASP A Pkg
Contact Person				RUSH Four Day	ASP B Pkg
E-mail Addr.:	E-mail:	E-mail		Standard (5-7 days) X	Excel X
FAX No.:	Fax No.:	Fax No.:	Samples from:CT__NY__NJ__	OTHER	EDD

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

R J Hooker
Samples Collected/Authorized By (Signature)
R. HOOKER
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met'N	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Indiv. Metals	Air STARS	Part 360-(Specify No Dioxins/Furans)	BTU/lb.	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360-(Specify Full List)	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe,	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, Ag, etc	Helium	TAGM	Silica	MBAS	TPH - IR

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
B-6 (0-2)	2/22/2011	soil	VOCs (8260), SVOCs (8270), TAL metals	1x2 oz + 1x8oz
B-6 (6-8)	2/22/2011	soil	VOCs (8260), SVOCs (8270), TAL metals	1x8oz
B-7 (0-2)	2/22/2011	soil	VOCs (8260), SVOCs (8270), TAL metals	1x8oz
B-7(10.5)	2/22/2011	soil	VOCs (8260), SVOCs (8270), TAL metals	1x8oz
B-8 (0-2)	2/22/2011	soil	VOCs (8260), SVOCs (8270), TAL metals	1x8oz
B-8 (20-21)	2/22/2011	soil	VOCs (8260), SVOCs (8270), TAL metals	1x8oz
B-9 (0-2)	2/22/2011	soil	VOCs (8260), SVOCs (8270), TAL metals	1x8oz
B-9 (15.5)	2/22/2011	soil	VOCs (8260), SVOCs (8270), TAL metals	1x8oz
B-10 (0-2)	2/22/2011	soil	Hold	1x8oz
				1x8oz

Comments

Preservation "X" those applicable: Cool 4°C___ HNO3___ H2SO4___ NaOH___ NONE___ FROZEN___

B J Hooker	3/2/11 2.00	Chris C	3-2-11 14:10
Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Samples Relinquished By	Date/Time	Samples Received in LAB by	3/2/11 1620 Date/Time

Temperature on Receipt 3.8 °C

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

Field Chain-of-Custody Record

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York Project No. 11C0083

Client Information	Report to:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: Ecosystems Strategies	SAME ☐	SAME ☐	SB10180.40	RUSH Same Day ___	Summary X
Address: 14 Davis Ave, Poughkeepsie	Name: Richard	Name: Brenda		RUSH Next Day ___	QA/QC Summary ___
Phone no.: 845 452 1658	Company: ___	Company: ___	Purchase Order no.	RUSH Two Day ___	CT RCP Pkg ___
Contact Person ___	Address: ___	Address: ___		RUSH Three Day ___	ASP A Pkg ___
E-mail Addr.: ___	E-mail: ___	E-mail ___		RUSH Four Day ___	ASP B Pkg ___
FAX No.: ___	Fax No.: ___	Fax No.: ___	Samples from: CT__ NY__ NJ__	Standard (5-7 days) X	Excel X
				OTHER ___	EDD ___

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

Samples Collected/Authorized By (Signature)

R. Hooker
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met'CN	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Indiv. Metals	Air STARS	Part 360-Expanded	BTU/lb.	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360-Expanded	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe,	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, Ag, etc.	Helium	TAGM	Silica	MBAS	TPH - IR

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
B-11 (0-2)	2/22/2011	soil	VOCs (8260), SVOCs (8270), TAL metals	1x8oz
B-11 (7.5)	2/22/2011	soil	VOCs (8260), SVOCs (8270),TAL metals	1x8oz
B-12 (0-2)	2/22/2011	soil	VOCs (8260), SVOCs (8270), TAL metals	1x8oz
B-12 (9-10)	2/22/2011	soil	VOCs (8260), SVOCs (8270), TAL metals	1x8oz
B-13 (0-2)	3/1/2011	soil	VOCs (8260), SVOCs (8270), TAL metals	1x8oz
B-13 (10)	3/1/2011	soil	VOCs (8260), SVOCs (8270), TAL metals	1x8oz

Comments

Preservation "X" those applicable: Cool 4°C ___ HNO3 ___ H2SO4 ___ NaOH ___ NONE ___ FROZEN ___

R. Hooker 3/2/11 2:00
Samples Relinquished By — Date/Time

Samples Relinquished By — Date/Time

Chris C 3-2-11 14:10
Samples Received By — Date/Time

Pace 3/2/11 1620
Samples Received in LAB by — Date/Time

Temperature on Receipt 3.8 °C

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

Field Chain-of-Custody Record

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York Project No. 11C0083

Client Information	Report to:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: Ecosystems Strategies	SAME ☐	SAME ☐	SB10180.40	RUSH Same Day ___	Summary X
Address: 14 Davis Ave, Poughkeepsie	Name: Richard	Name: Brenda		RUSH Next Day ___	QA/QC Summary ___
Phone no.: 845 452 1658	Company: ___	Company: ___	Purchase Order no.	RUSH Two Day ___	CT RCP Pkg ___
Contact Person ___	Address: ___	Address: ___		RUSH Three Day ___	ASP A Pkg ___
E-mail Addr.: ___	E-mail: ___	E-mail ___		RUSH Four Day ___	ASP B Pkg ___
FAX No.: ___	Fax No.: ___	Fax No.: ___	Samples from: CT__ NY__ NJ__	Standard (5-7 days) X	Excel X
				OTHER ___	EDD ___

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

R. Hoover
Samples Collected/Authorized By (Signature)

R. Hoover
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Ind. Metals	Air STARS	Part 360-Expanded Not Known/Future	BTU/lb.	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe,	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, Ag, etc.	Helium	TAGM	Silica	MBAS	TPH - IR

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SV-1	2/22/2011	Air - SV	TO-15, Helium	1xsumma
SV-2	3/1/2011	Air - SV	TO-15, Helium	1xsumma
SV-3	3/1/2011	Air - SV	TO-15, Helium	1xsumma
SV-4	3/1/2011	Air - SV	TO-15, Helium	1xsumma
SV-5	3/1/2011	Air - SV	TO-15, Helium	1xsumma
SV-6	3/1/2011	Air - SV	TO-15, Helium	1xsumma

Comments

Preservation "X" those applicable: Cool 4°C ___ HNO3 ___ H2SO4 ___ NaOH ___ NONE ___ FROZEN ___

R. Hoover 3/2/11 2:00
Samples Relinquished By — Date/Time

Samples Relinquished By — Date/Time

Chris C 3-2-11 14:10
Samples Received By — Date/Time

Grace 3/2/11 1620
Samples Received in LAB by — Date/Time

Temperature on Receipt ___ °C

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Address: 14 Davis Ave, Poughkeepsie	Name: Richard	Name: Brenda		RUSH Next Day ___	QA/QC Summary ___
Phone no.: 845 452 1658	Company:	Company:	Purchase Order no.	RUSH Two Day ___	CT RCP Pkg ___
Contact Person	Address:	Address:		RUSH Three Day ___	ASP A Pkg ___
E-mail Addr.:	E-mail:	E-mail		RUSH Four Day ___	ASP B Pkg ___
FAX No.:	Fax No.:	Fax No.:	Samples from: CT__ NY__ NJ__	Standard (5-7 days) X	Excel X
				OTHER	EDD

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Samples Collected/Authorized By (Signature)

R. Hooker
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
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Air-A - ambient air
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Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters			Special Instructions
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color	Field Filtered ☐
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols	Lab to Filter ☐
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T	
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A	
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5	
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5	
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28	
CT RCP	Oxygenates	TCL list	TCLP Pest	Indiv. Metals	Air STARS	Part 360-[illegible]	BTU/lb.	Tot. Phos.	COD	
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360-[illegible]	Aquatic Tox.	Oil&Grease	TSS	
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe,	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids	
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDEC Sewer	Asbestos	pH	TDS	
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, Ag, etc.	Helium	TAGM	Silica	MBAS	TPH - IR	

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW-1	3/1/2011	Water	VOCs (8260), SVOCs (8270), TAL Metals (total and dissolved), Pesticides/PCBs	2x40 ml, 2 x 1L, 1x 250ml
TW-2	3/1/2011	Water	VOCs (8260), SVOCs (8270), TAL Metals (total and dissolved), Pesticides/PCBs	2x40 ml, 2 x 1L, 1x 250ml
MW-3	3/1/2011	Water	VOCs (8260), SVOCs (8270), TAL Metals (total and dissolved), Pesticides/PCBs	2x40 ml, 2 x 1L, 1x 250ml
Dup	3/1/2011	Water	VOCs (8260), SVOCs (8270), TAL Metals (total and dissolved), Pesticides/PCBs	2x40 ml, 2 x 1L, 1x 250ml
Field blank	3/1/2011	Water	VOCs (8260), SVOCs (8270), TAL Metals (total and dissolved), Pesticides/PCBs	2x40 ml, 2 x 1L, 1x 250ml
Trip blank	3/1/2011	Water	VOCs (8260)	2x40 ml vials

Comments

Preservation "X" those applicable: Cool 4°C ___ HNO3 ___ H2SO4 ___ NaOH ___ NONE ___ FROZEN ___

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt
R. Hooker	3/2/11 2.00	Chris C	3-2-11 14:50	3.8 °C
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time	
		P. Pace	3/2/11 1620	

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

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

Report Date: 02/11/2011
Client Project ID: SB10180.40
York Project (SDG) No.: 11B0154

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Client Project ID: SB10180.40
York Project (SDG) No.: 11B0154

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 07, 2011 and listed below. The project was identified as your project: **SB10180.40**.

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
11B0154-01	B-1 0-2	Soil	02/03/2011	02/07/2011
11B0154-02	B-1 25-26	Soil	02/03/2011	02/07/2011
11B0154-03	B-2 0-2	Soil	02/03/2011	02/07/2011
11B0154-04	B-2 22-24	Soil	02/03/2011	02/07/2011
11B0154-05	Trip Blank	Water	02/03/2011	02/07/2011
11B0154-06	B-3 0-2	Soil	02/03/2011	02/07/2011
11B0154-07	B-3 10-12	Soil	02/03/2011	02/07/2011
11B0154-08	B-4 0-2	Soil	02/03/2011	02/07/2011
11B0154-09	B-5 0-2	Soil	02/03/2011	02/07/2011
11B0154-10	B-5 15-17	Soil	02/03/2011	02/07/2011

General Notes for York Project (SDG) No.: 11B0154

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: 02/11/2011

Robert Q. Bradley
Managing Director

YORK

Sample Information

Client Sample ID: B-1 0-2 **York Sample ID:** 11B0154-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.95	24	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	24	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
95-63-6	**1,2,4-Trimethylbenzene**	**32**		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	24	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.56	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
108-67-8	**1,3,5-Trimethylbenzene**	**10**	J	ug/kg dry	0.95	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
67-66-3	Chloroform	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS

Sample Information

Client Sample ID: B-1 0-2 **York Sample ID:** 11B0154-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
100-41-4	**Ethyl Benzene**	**8.6**	J	ug/kg dry	0.89	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.0	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
75-09-2	**Methylene chloride**	**19**	J, B	ug/kg dry	2.7	24	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
91-20-3	**Naphthalene**	**72**		ug/kg dry	1.3	24	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
104-51-8	**n-Butylbenzene**	**2.0**	J	ug/kg dry	0.82	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
103-65-1	**n-Propylbenzene**	**4.4**	J	ug/kg dry	1.5	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
95-47-6	**o-Xylene**	**14**		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
1330-20-7P/M	**p- & m- Xylenes**	**37**		ug/kg dry	1.4	24	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.64	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
127-18-4	**Tetrachloroethylene**	**2.9**	J	ug/kg dry	1.3	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
108-88-3	**Toluene**	**5.2**	J	ug/kg dry	0.59	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS
1330-20-7	**Xylenes, Total**	**50**		ug/kg dry	2.7	36	2	EPA SW846-8260B	02/10/2011 14:25	02/10/2011 14:25	SS

Sample Information

Client Sample ID: B-1 0-2 **York Sample ID:** 11B0154-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2150	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1730	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1880	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1350	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	1070	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	1930	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	1610	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	1270	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	3310	7890	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	1730	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	1880	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	1210	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	2300	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	1370	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	1450	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	1350	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	994	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	1430	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	2980	7890	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	1650	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	425	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	1560	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	1140	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	1780	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	1310	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	1430	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
83-32-9	Acenaphthene	ND		ug/kg dry	2290	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	1110	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
62-53-3	Aniline	ND		ug/kg dry	1420	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
120-12-7	**Anthracene**	**1480**	J	ug/kg dry	978	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
56-55-3	**Benzo(a)anthracene**	**5330**		ug/kg dry	1530	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
50-32-8	**Benzo(a)pyrene**	**5230**		ug/kg dry	1030	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
205-99-2	**Benzo(b)fluoranthene**	**8180**		ug/kg dry	1500	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
191-24-2	**Benzo(g,h,i)perylene**	**3090**	J	ug/kg dry	1190	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
207-08-9	**Benzo(k)fluoranthene**	**7090**		ug/kg dry	1530	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD

Sample Information

Client Sample ID: B-1 0-2 **York Sample ID:** 11B0154-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-51-6	Benzyl alcohol	ND		ug/kg dry	1280	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	1650	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	1460	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	1340	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	1470	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	1320	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
218-01-9	**Chrysene**	**3920**	J	ug/kg dry	1590	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
53-70-3	**Dibenzo(a,h)anthracene**	**1950**	J	ug/kg dry	997	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	1270	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	2070	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	1140	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	1180	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1780	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
206-44-0	**Fluoranthene**	**13400**		ug/kg dry	2290	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
86-73-7	Fluorene	ND		ug/kg dry	1110	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	643	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1580	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	2940	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	1420	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**3300**	J	ug/kg dry	1460	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
78-59-1	Isophorone	ND		ug/kg dry	1470	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
91-20-3	Naphthalene	ND		ug/kg dry	1180	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	1780	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	1430	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	1030	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	2290	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	1110	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
85-01-8	**Phenanthrene**	**5870**		ug/kg dry	1460	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
108-95-2	Phenol	ND		ug/kg dry	1580	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
129-00-0	**Pyrene**	**7330**		ug/kg dry	1420	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD
110-86-1	Pyridine	ND		ug/kg dry	1540	3950	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 20:40	TD

Sample Information

Client Sample ID: B-1 0-2 **York Sample ID:** 11B0154-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Pesticides/PCBs, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.74	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.24	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.75	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
309-00-2	Aldrin	ND		ug/kg dry	2.50	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.95	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.35	20.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 20:48	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.35	20.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 20:48	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.35	20.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 20:48	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.35	20.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 20:48	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.35	20.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 20:48	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	8.05	20.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 20:48	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	8.05	20.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 20:48	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.46	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.6	15.6	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.13	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.31	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.89	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.39	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.00	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
72-20-8	Endrin	ND		ug/kg dry	2.37	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.63	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.72	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.71	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.11	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.72	3.91	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.1	19.5	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.05	20.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 20:48	JW
8001-35-2	Toxaphene	ND		ug/kg dry		391	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:13	JW

Sample Information

Client Sample ID: **B-1 0-2** **York Sample ID:** **11B0154-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**8450**		mg/kg dry	1.49	2.37	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-36-0	**Antimony**	**0.418**		mg/kg dry	0.166	0.355	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-38-2	**Arsenic**	**3.81**		mg/kg dry	0.225	0.592	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-39-3	**Barium**	**95.8**		mg/kg dry	0.284	0.592	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.118	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.154	0.592	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-70-2	**Calcium**	**45500**		mg/kg dry	0.051	2.37	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-47-3	**Chromium**	**29.8**		mg/kg dry	0.095	0.592	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-48-4	**Cobalt**	**5.74**		mg/kg dry	0.095	0.592	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-50-8	**Copper**	**29.2**		mg/kg dry	0.166	0.592	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7439-89-6	**Iron**	**14100**		mg/kg dry	0.651	1.18	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7439-92-1	**Lead**	**100**		mg/kg dry	0.118	0.355	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7439-95-4	**Magnesium**	**9090**		mg/kg dry	0.971	2.37	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7439-96-5	**Manganese**	**446**		mg/kg dry	0.095	1.18	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-02-0	**Nickel**	**16.6**		mg/kg dry	0.083	0.592	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-09-7	**Potassium**	**2000**		mg/kg dry	3.22	11.8	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7782-49-2	**Selenium**	**0.945**		mg/kg dry	0.250	0.592	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-22-4	Silver	ND		mg/kg dry	0.107	0.592	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-23-5	**Sodium**	**1160**		mg/kg dry	7.95	11.8	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-28-0	Thallium	ND		mg/kg dry	0.225	0.592	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-62-2	**Vanadium**	**25.1**		mg/kg dry	0.095	0.592	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW
7440-66-6	**Zinc**	**114**		mg/kg dry	0.083	0.592	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:51	MW

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.115	0.118	1	EPA SW846-7471	02/09/2011 13:03	02/09/2011 13:03	AA

Sample Information

Client Sample ID: B-1 0-2 **York Sample ID:** 11B0154-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**84.5**		%	0.100	0.100	1	SM 2540G	02/09/2011 14:33	02/09/2011 14:33	MZ

Sample Information

Client Sample ID: B-1 25-26 **York Sample ID:** 11B0154-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.6	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.7	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.8	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.8	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.0	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.9	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.3	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.1	27	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.3	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.4	27	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.6	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.9	27	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.0	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.7	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.9	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.64	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.1	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.4	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.0	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.0	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.8	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.4	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.4	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS

Sample Information

Client Sample ID: B-1 25-26 **York Sample ID:** 11B0154-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	**Benzene**	**14**		ug/kg dry	1.4	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.8	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.7	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.8	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
75-25-2	Bromoform	ND		ug/kg dry	1.7	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.6	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.0	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.0	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
67-66-3	Chloroform	ND		ug/kg dry	1.1	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.0	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.0	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.9	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.0	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.3	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.1	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.1	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
75-09-2	**Methylene chloride**	**18**	J, B	ug/kg dry	3.1	27	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
91-20-3	**Naphthalene**	**2.7**	J	ug/kg dry	1.5	27	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.94	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.7	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.5	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.6	27	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.73	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.5	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
100-42-5	Styrene	ND		ug/kg dry	1.3	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.3	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.5	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
108-88-3	Toluene	ND		ug/kg dry	0.67	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.9	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.0	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.7	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS

Sample Information

Client Sample ID: B-1 25-26 **York Sample ID:** 11B0154-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	14	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	3.1	41	2	EPA SW846-8260B	02/09/2011 14:40	02/09/2011 14:40	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	123	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	98.9	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	108	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	77.5	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	61.5	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	111	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	92.3	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	72.5	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	190	452	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	98.9	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	108	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	69.0	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	132	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	78.7	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	83.1	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	77.5	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	56.9	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	81.9	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	171	452	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	94.2	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	24.4	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	89.2	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	65.1	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	102	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	75.0	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	81.7	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
83-32-9	Acenaphthene	ND		ug/kg dry	131	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	63.3	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD

Sample Information

Client Sample ID: B-1 25-26 **York Sample ID:** 11B0154-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/kg dry	81.3	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
120-12-7	Anthracene	ND		ug/kg dry	56.0	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	87.4	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	58.9	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	86.0	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	67.9	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	87.5	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	73.1	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	94.3	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	83.3	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	76.7	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	83.9	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	75.7	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
218-01-9	Chrysene	ND		ug/kg dry	91.1	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	57.1	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	72.9	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	119	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	65.1	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	67.5	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	102	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
206-44-0	Fluoranthene	ND		ug/kg dry	131	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
86-73-7	Fluorene	ND		ug/kg dry	63.3	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	36.8	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	90.4	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	168	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	81.3	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	83.3	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
78-59-1	Isophorone	ND		ug/kg dry	83.9	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
91-20-3	Naphthalene	ND		ug/kg dry	67.5	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	102	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	81.7	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	59.0	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	131	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	63.3	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
85-01-8	Phenanthrene	ND		ug/kg dry	83.4	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD

Sample Information

Client Sample ID: B-1 25-26 **York Sample ID:** 11B0154-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/kg dry	90.4	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
129-00-0	Pyrene	ND		ug/kg dry	81.1	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD
110-86-1	Pyridine	ND		ug/kg dry	88.3	226	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 21:12	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**12300**		mg/kg dry	1.71	2.71	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-36-0	Antimony	ND		mg/kg dry	0.190	0.407	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-38-2	**Arsenic**	**3.79**		mg/kg dry	0.258	0.678	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-39-3	**Barium**	**121**		mg/kg dry	0.325	0.678	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.011	0.136	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.176	0.678	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-70-2	**Calcium**	**5310**		mg/kg dry	0.059	2.71	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-47-3	**Chromium**	**29.2**		mg/kg dry	0.108	0.678	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-48-4	**Cobalt**	**15.3**		mg/kg dry	0.108	0.678	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-50-8	**Copper**	**32.9**		mg/kg dry	0.190	0.678	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7439-89-6	**Iron**	**25800**		mg/kg dry	0.746	1.36	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7439-92-1	**Lead**	**6.46**		mg/kg dry	0.136	0.407	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7439-95-4	**Magnesium**	**7840**		mg/kg dry	1.11	2.71	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7439-96-5	**Manganese**	**211**		mg/kg dry	0.108	1.36	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-02-0	**Nickel**	**37.7**		mg/kg dry	0.095	0.678	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-09-7	**Potassium**	**4830**		mg/kg dry	3.69	13.6	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7782-49-2	**Selenium**	**2.44**		mg/kg dry	0.286	0.678	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-22-4	Silver	ND		mg/kg dry	0.122	0.678	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-23-5	**Sodium**	**1260**		mg/kg dry	9.11	13.6	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-28-0	Thallium	ND		mg/kg dry	0.258	0.678	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-62-2	**Vanadium**	**40.8**		mg/kg dry	0.108	0.678	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW
7440-66-6	**Zinc**	**64.3**		mg/kg dry	0.095	0.678	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 18:55	MW

Sample Information

Client Sample ID: B-1 25-26 **York Sample ID:** 11B0154-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.132	0.136	1	EPA SW846-7471	02/09/2011 13:03	02/09/2011 13:03	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**73.8**		%	0.100	0.100	1	SM 2540G	02/09/2011 14:33	02/09/2011 14:33	MZ

Sample Information

Client Sample ID: B-2 0-2 **York Sample ID:** 11B0154-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:** IS-01

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.96	24	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.0	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
95-63-6	**1,2,4-Trimethylbenzene**	**28**		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	24	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.57	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
108-67-8	**1,3,5-Trimethylbenzene**	**11**	J	ug/kg dry	0.96	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS

Sample Information

Client Sample ID: B-2 0-2 **York Sample ID:** 11B0154-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes: IS-01

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	1.8	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
71-43-2	Benzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
67-66-3	Chloroform	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
100-41-4	**Ethyl Benzene**	**10**	J	ug/kg dry	0.91	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
98-82-8	**Isopropylbenzene**	**2.4**	J	ug/kg dry	1.0	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
75-09-2	**Methylene chloride**	**19**	J, B	ug/kg dry	2.8	24	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
91-20-3	**Naphthalene**	**5.6**	J	ug/kg dry	1.3	24	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.83	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
103-65-1	**n-Propylbenzene**	**4.9**	J	ug/kg dry	1.5	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
95-47-6	**o-Xylene**	**16**		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
1330-20-7P/M	**p- & m- Xylenes**	**42**		ug/kg dry	1.4	24	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.65	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
127-18-4	**Tetrachloroethylene**	**4.1**	J	ug/kg dry	1.4	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS

Sample Information

Client Sample ID: B-2 0-2 **York Sample ID:** 11B0154-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes: IS-01

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**	**6.1**	J	ug/kg dry	0.60	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS
1330-20-7	**Xylenes, Total**	**57**		ug/kg dry	2.7	36	2	EPA SW846-8260B	02/10/2011 15:11	02/10/2011 15:11	SS

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2190	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1760	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1910	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1380	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	1090	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	1970	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	1640	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	1290	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	3380	8040	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	1760	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	1910	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	1230	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	2340	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	1400	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	1480	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	1380	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1010	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	1460	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	3040	8040	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	1680	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	433	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	1590	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	1160	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	1810	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD

Sample Information

Client Sample ID: B-2 0-2 **York Sample ID:** 11B0154-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	1330	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	1450	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
83-32-9	Acenaphthene	ND		ug/kg dry	2330	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	1130	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
62-53-3	Aniline	ND		ug/kg dry	1450	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
120-12-7	**Anthracene**	**1940**	J	ug/kg dry	997	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
56-55-3	**Benzo(a)anthracene**	**6490**		ug/kg dry	1550	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
50-32-8	**Benzo(a)pyrene**	**5680**		ug/kg dry	1050	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
205-99-2	**Benzo(b)fluoranthene**	**8580**		ug/kg dry	1530	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
191-24-2	**Benzo(g,h,i)perylene**	**3670**	J	ug/kg dry	1210	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
207-08-9	**Benzo(k)fluoranthene**	**6430**		ug/kg dry	1560	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	1300	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	1680	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	1480	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	1360	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	1490	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	1350	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
218-01-9	**Chrysene**	**7040**		ug/kg dry	1620	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	1020	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	1300	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	2110	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	1160	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	1200	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1810	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
206-44-0	**Fluoranthene**	**12900**		ug/kg dry	2330	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
86-73-7	Fluorene	ND		ug/kg dry	1130	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	655	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1610	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	2990	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	1450	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**3800**	J	ug/kg dry	1480	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
78-59-1	Isophorone	ND		ug/kg dry	1490	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
91-20-3	Naphthalene	ND		ug/kg dry	1200	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	1810	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	1450	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD

Sample Information

Client Sample ID: B-2 0-2 **York Sample ID:** 11B0154-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	1050	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	2330	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	1130	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
85-01-8	**Phenanthrene**	**6220**		ug/kg dry	1480	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
108-95-2	Phenol	ND		ug/kg dry	1610	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
129-00-0	**Pyrene**	**8480**		ug/kg dry	1440	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD
110-86-1	Pyridine	ND		ug/kg dry	1570	4020	20	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:15	TD

Pesticides/PCBs, EPA TCL List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.77	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.28	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.78	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
309-00-2	Aldrin	ND		ug/kg dry	2.54	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
319-84-6	alpha-BHC	ND		ug/kg dry	3.00	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.52	20.5	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:19	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.52	20.5	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:19	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.52	20.5	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:19	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.52	20.5	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:19	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.52	20.5	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:19	JW
11097-69-1	**Aroclor 1254**	**84.2**		ug/kg dry	8.20	20.5	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:19	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	8.20	20.5	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:19	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.51	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.9	15.9	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.17	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.35	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.93	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.44	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.04	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
72-20-8	Endrin	ND		ug/kg dry	2.41	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.68	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.75	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.76	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.17	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.75	3.98	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW

Sample Information

Client Sample ID: B-2 0-2 **York Sample ID:** 11B0154-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Pesticides/PCBs, EPA TCL List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-43-5	Methoxychlor	ND		ug/kg dry	10.3	19.9	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW
1336-36-3	**Total PCBs**	**84.2**		ug/kg dry	8.20	20.5	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:19	JW
8001-35-2	Toxaphene	ND		ug/kg dry		398	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 10:27	JW

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7630**		mg/kg dry	1.52	2.41	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-36-0	**Antimony**	**5.93**		mg/kg dry	0.169	0.362	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-38-2	**Arsenic**	**5.85**		mg/kg dry	0.229	0.603	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-39-3	**Barium**	**285**		mg/kg dry	0.289	0.603	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.010	0.121	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.157	0.603	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-70-2	**Calcium**	**37200**		mg/kg dry	0.052	2.41	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-47-3	**Chromium**	**35.0**		mg/kg dry	0.096	0.603	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-48-4	**Cobalt**	**6.65**		mg/kg dry	0.096	0.603	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-50-8	**Copper**	**171**		mg/kg dry	0.169	0.603	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7439-89-6	**Iron**	**23300**		mg/kg dry	0.663	1.21	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7439-92-1	**Lead**	**398**		mg/kg dry	0.121	0.362	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7439-95-4	**Magnesium**	**6570**		mg/kg dry	0.989	2.41	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7439-96-5	**Manganese**	**314**		mg/kg dry	0.096	1.21	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-02-0	**Nickel**	**23.2**		mg/kg dry	0.084	0.603	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-09-7	**Potassium**	**1730**		mg/kg dry	3.28	12.1	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7782-49-2	**Selenium**	**1.56**		mg/kg dry	0.254	0.603	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-22-4	Silver	ND		mg/kg dry	0.109	0.603	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-23-5	**Sodium**	**916**		mg/kg dry	8.10	12.1	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-28-0	Thallium	ND		mg/kg dry	0.229	0.603	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-62-2	**Vanadium**	**26.9**		mg/kg dry	0.096	0.603	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW
7440-66-6	**Zinc**	**298**		mg/kg dry	0.084	0.603	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:11	MW

Sample Information

Client Sample ID: B-2 0-2 **York Sample ID:** 11B0154-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.117	0.121	1	EPA SW846-7471	02/09/2011 13:03	02/09/2011 13:03	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**82.9**		%	0.100	0.100	1	SM 2540G	02/09/2011 14:33	02/09/2011 14:33	MZ

Sample Information

Client Sample ID: B-2 22-24 **York Sample ID:** 11B0154-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.94	24	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	24	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	24	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.56	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS

Sample Information

Client Sample ID: B-2 22-24 **York Sample ID:** 11B0154-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
67-66-3	Chloroform	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.97	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
75-09-2	**Methylene chloride**	**15**	J, B	ug/kg dry	2.7	24	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.81	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	24	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.64	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS

Sample Information

Client Sample ID: B-2 22-24 **York Sample ID:** 11B0154-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	35	2	EPA SW846-8260B	02/09/2011 16:16	02/09/2011 16:16	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	107	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	85.8	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	93.4	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	67.3	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	53.4	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	96.0	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	80.1	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	62.9	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	165	392	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	85.8	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	93.4	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	59.9	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	114	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	68.3	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	72.2	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	67.3	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	49.4	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	71.1	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	148	392	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	81.8	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.1	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	77.5	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	56.5	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	88.2	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD

Sample Information

Client Sample ID: B-2 22-24 **York Sample ID:** 11B0154-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	65.1	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	71.0	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
83-32-9	Acenaphthene	ND		ug/kg dry	114	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	55.0	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
62-53-3	Aniline	ND		ug/kg dry	70.6	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
120-12-7	Anthracene	ND		ug/kg dry	48.6	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	75.9	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	51.1	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	74.6	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	59.0	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	75.9	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	63.5	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	81.8	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	72.3	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	66.6	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	72.9	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
117-81-7	**Bis(2-ethylhexyl)phthalate**	**229**		ug/kg dry	65.7	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
218-01-9	Chrysene	ND		ug/kg dry	79.1	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.6	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	63.3	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	103	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	56.5	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	58.6	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	88.2	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
206-44-0	Fluoranthene	ND		ug/kg dry	114	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
86-73-7	Fluorene	ND		ug/kg dry	55.0	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	32.0	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	78.5	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	146	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	70.6	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	72.3	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
78-59-1	Isophorone	ND		ug/kg dry	72.9	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
91-20-3	Naphthalene	ND		ug/kg dry	58.6	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	88.2	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	71.0	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD

Sample Information

Client Sample ID: B-2 22-24 **York Sample ID:** 11B0154-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	51.2	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	114	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	55.0	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
85-01-8	Phenanthrene	ND		ug/kg dry	72.4	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
108-95-2	Phenol	ND		ug/kg dry	78.5	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
129-00-0	Pyrene	ND		ug/kg dry	70.4	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD
110-86-1	Pyridine	ND		ug/kg dry	76.6	196	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 22:47	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**13900**		mg/kg dry	1.48	2.35	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-36-0	Antimony	ND		mg/kg dry	0.165	0.353	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-38-2	**Arsenic**	**3.40**		mg/kg dry	0.224	0.588	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-39-3	**Barium**	**142**		mg/kg dry	0.282	0.588	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.118	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.153	0.588	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-70-2	**Calcium**	**3110**		mg/kg dry	0.051	2.35	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-47-3	**Chromium**	**32.8**		mg/kg dry	0.094	0.588	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-48-4	**Cobalt**	**14.7**		mg/kg dry	0.094	0.588	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-50-8	**Copper**	**28.3**		mg/kg dry	0.165	0.588	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7439-89-6	**Iron**	**28100**		mg/kg dry	0.647	1.18	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7439-92-1	**Lead**	**4.44**		mg/kg dry	0.118	0.353	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7439-95-4	**Magnesium**	**7310**		mg/kg dry	0.965	2.35	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7439-96-5	**Manganese**	**352**		mg/kg dry	0.094	1.18	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-02-0	**Nickel**	**32.6**		mg/kg dry	0.082	0.588	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-09-7	**Potassium**	**5630**		mg/kg dry	3.20	11.8	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7782-49-2	**Selenium**	**1.44**		mg/kg dry	0.248	0.588	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-22-4	Silver	ND		mg/kg dry	0.106	0.588	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-23-5	**Sodium**	**892**		mg/kg dry	7.91	11.8	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-28-0	Thallium	ND		mg/kg dry	0.224	0.588	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-62-2	**Vanadium**	**47.5**		mg/kg dry	0.094	0.588	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW
7440-66-6	**Zinc**	**63.0**		mg/kg dry	0.082	0.588	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:16	MW

Sample Information

Client Sample ID: B-2 22-24 **York Sample ID:** 11B0154-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.114	0.118	1	EPA SW846-7471	02/09/2011 13:03	02/09/2011 13:03	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**85.0**		%	0.100	0.100	1	SM 2540G	02/09/2011 14:33	02/09/2011 14:33	MZ

Sample Information

Client Sample ID: Trip Blank **York Sample ID:** 11B0154-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Water	February 3, 2011 12:00 am	02/07/2011

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.95	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.60	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.37	10	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.1	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.48	10	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.53	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.3	10	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.22	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.37	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.47	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.69	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **11B0154-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Water	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.49	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
71-43-2	Benzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
108-86-1	Bromobenzene	ND		ug/L	0.61	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
74-97-5	Bromochloromethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.62	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
74-83-9	Bromomethane	ND		ug/L	1.2	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
75-00-3	Chloroethane	ND		ug/L	0.76	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
67-66-3	Chloroform	ND		ug/L	0.36	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
74-87-3	Chloromethane	ND		ug/L	0.89	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.96	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.67	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
74-95-3	Dibromomethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.83	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.35	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.39	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.38	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
75-09-2	**Methylene chloride**	**2.9**	B, J	ug/L	1.1	10	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
91-20-3	Naphthalene	ND		ug/L	0.50	10	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.32	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.58	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
95-47-6	o-Xylene	ND		ug/L	0.50	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.55	10	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
100-42-5	Styrene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.46	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS

Sample Information

Client Sample ID: Trip Blank **York Sample ID:** 11B0154-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Water	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.23	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.65	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.68	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
79-01-6	Trichloroethylene	ND		ug/L	0.57	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.91	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.97	5.0	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS
1330-20-7	Xylenes, Total	ND		ug/L	1.0	15	1	EPA SW846-8260B	02/09/2011 13:21	02/09/2011 13:21	SS

Sample Information

Client Sample ID: B-3 0-2 **York Sample ID:** 11B0154-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.93	23	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	23	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
95-63-6	**1,2,4-Trimethylbenzene**	**7.6**	J	ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	23	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.55	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
108-67-8	**1,3,5-Trimethylbenzene**	**2.6**	J	ug/kg dry	0.93	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS

Sample Information

Client Sample ID: B-3 0-2 **York Sample ID:** 11B0154-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.1	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
67-66-3	Chloroform	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.88	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.98	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.96	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
75-09-2	**Methylene chloride**	**26**	B	ug/kg dry	2.7	23	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
91-20-3	**Naphthalene**	**5.1**	J	ug/kg dry	1.3	23	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.81	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
95-47-6	**o-Xylene**	**2.0**	J	ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
1330-20-7P/M	**p- & m- Xylenes**	**4.2**	J	ug/kg dry	1.4	23	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.63	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS

Sample Information

Client Sample ID: B-3 0-2 **York Sample ID:** 11B0154-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
108-88-3	Toluene	ND		ug/kg dry	0.58	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS
1330-20-7	**Xylenes, Total**	**6.2**	J	ug/kg dry	2.6	35	2	EPA SW846-8260B	02/09/2011 16:40	02/09/2011 16:40	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	530	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	425	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	463	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	333	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	264	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	476	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	397	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	312	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	817	1940	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	425	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	463	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	297	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	566	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	339	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	358	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	333	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	245	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	353	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	735	1940	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	405	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	105	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	384	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD

Sample Information

Client Sample ID: B-3 0-2 **York Sample ID:** 11B0154-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	280	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	437	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	323	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	352	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
83-32-9	Acenaphthene	ND		ug/kg dry	563	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	272	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
62-53-3	Aniline	ND		ug/kg dry	350	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
120-12-7	**Anthracene**	**1360**		ug/kg dry	241	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
56-55-3	**Benzo(a)anthracene**	**3790**		ug/kg dry	376	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
50-32-8	**Benzo(a)pyrene**	**3520**		ug/kg dry	253	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
205-99-2	**Benzo(b)fluoranthene**	**3550**		ug/kg dry	370	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
191-24-2	**Benzo(g,h,i)perylene**	**1320**		ug/kg dry	292	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
207-08-9	**Benzo(k)fluoranthene**	**3580**		ug/kg dry	376	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	315	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	406	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	358	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	330	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	361	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	326	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
218-01-9	**Chrysene**	**3640**		ug/kg dry	392	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
53-70-3	**Dibenzo(a,h)anthracene**	**848**	J	ug/kg dry	246	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	314	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	510	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	280	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	290	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	437	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
206-44-0	**Fluoranthene**	**5980**		ug/kg dry	563	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
86-73-7	**Fluorene**	**645**	J	ug/kg dry	272	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	158	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	389	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	723	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	350	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1700**		ug/kg dry	358	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
78-59-1	Isophorone	ND		ug/kg dry	361	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
91-20-3	Naphthalene	ND		ug/kg dry	290	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD

Sample Information

Client Sample ID: B-3 0-2 **York Sample ID:** 11B0154-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	437	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	352	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	254	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	563	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	272	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
85-01-8	**Phenanthrene**	**4510**		ug/kg dry	359	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
108-95-2	Phenol	ND		ug/kg dry	389	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
129-00-0	**Pyrene**	**4950**		ug/kg dry	349	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD
110-86-1	Pyridine	ND		ug/kg dry	380	972	5	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:19	TD

Pesticides/PCBs, EPA TCL List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.71	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.20	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.73	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
309-00-2	Aldrin	ND		ug/kg dry	2.46	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.90	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.21	19.8	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:51	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.21	19.8	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:51	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.21	19.8	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:51	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.22	19.8	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:51	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.22	19.8	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:51	JW
11097-69-1	**Aroclor 1254**	**20.0**		ug/kg dry	7.93	19.8	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:51	JW
11096-82-5	**Aroclor 1260**	**21.8**		ug/kg dry	7.93	19.8	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:51	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.43	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.4	15.4	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.10	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.27	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.87	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.36	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.97	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
72-20-8	Endrin	ND		ug/kg dry	2.33	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.59	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.69	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.67	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW

Sample Information

Client Sample ID: B-3 0-2 **York Sample ID:** 11B0154-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Pesticides/PCBs, EPA TCL List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-44-8	Heptachlor	ND		ug/kg dry	3.07	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.69	3.85	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.93	19.2	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW
1336-36-3	**Total PCBs**	**41.8**		ug/kg dry	7.93	19.8	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 21:51	JW
8001-35-2	Toxaphene	ND		ug/kg dry		385	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:28	JW

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**7870**		mg/kg dry	1.47	2.33	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-36-0	**Antimony**	**3.06**		mg/kg dry	0.163	0.350	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-38-2	**Arsenic**	**7.87**		mg/kg dry	0.222	0.583	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-39-3	**Barium**	**336**		mg/kg dry	0.280	0.583	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.117	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-43-9	**Cadmium**	**1.04**		mg/kg dry	0.152	0.583	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-70-2	**Calcium**	**25300**		mg/kg dry	0.051	2.33	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-47-3	**Chromium**	**27.9**		mg/kg dry	0.093	0.583	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-48-4	**Cobalt**	**18.8**		mg/kg dry	0.093	0.583	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-50-8	**Copper**	**265**		mg/kg dry	0.163	0.583	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7439-89-6	**Iron**	**23900**		mg/kg dry	0.642	1.17	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7439-92-1	**Lead**	**411**		mg/kg dry	0.117	0.350	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7439-95-4	**Magnesium**	**4680**		mg/kg dry	0.957	2.33	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7439-96-5	**Manganese**	**336**		mg/kg dry	0.093	1.17	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-02-0	**Nickel**	**39.1**		mg/kg dry	0.082	0.583	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-09-7	**Potassium**	**1810**		mg/kg dry	3.17	11.7	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7782-49-2	**Selenium**	**2.21**		mg/kg dry	0.246	0.583	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-22-4	Silver	ND		mg/kg dry	0.105	0.583	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-23-5	**Sodium**	**893**		mg/kg dry	7.84	11.7	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-28-0	Thallium	ND		mg/kg dry	0.222	0.583	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-62-2	**Vanadium**	**24.3**		mg/kg dry	0.093	0.583	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW
7440-66-6	**Zinc**	**1750**		mg/kg dry	0.082	0.583	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:20	MW

Sample Information

Client Sample ID: B-3 0-2 **York Sample ID:** 11B0154-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.583**		mg/kg dry	0.113	0.117	1	EPA SW846-7471	02/09/2011 13:03	02/09/2011 13:03	AA

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**85.7**		%	0.100	0.100	1	SM 2540G	02/09/2011 14:33	02/09/2011 14:33	MZ

Sample Information

Client Sample ID: B-3 10-12 **York Sample ID:** 11B0154-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.96	24	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.0	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	24	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
95-63-6	**1,2,4-Trimethylbenzene**	**4.7**	J	ug/kg dry	1.4	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	24	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.57	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.96	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS

Sample Information

Client Sample ID: B-3 10-12 **York Sample ID:** 11B0154-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
67-66-3	Chloroform	ND		ug/kg dry	0.93	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.0	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
75-09-2	**Methylene chloride**	**18**	J, B	ug/kg dry	2.8	24	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.83	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
1330-20-7P/M	**p- & m- Xylenes**	**2.2**	J	ug/kg dry	1.4	24	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.65	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS

Sample Information

Client Sample ID: B-3 10-12 **York Sample ID:** 11B0154-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.60	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	36	2	EPA SW846-8260B	02/09/2011 17:05	02/09/2011 17:05	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	109	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	87.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	95.4	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	68.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	54.5	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	98.0	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	81.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	64.2	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	168	401	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	87.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	95.4	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	61.2	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	117	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	69.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	73.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	68.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	50.5	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	72.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	151	401	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	83.5	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	79.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	57.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	90.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD

Sample Information

Client Sample ID: B-3 10-12 **York Sample ID:** 11B0154-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	66.5	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	72.4	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
83-32-9	Acenaphthene	ND		ug/kg dry	116	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	56.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
62-53-3	Aniline	ND		ug/kg dry	72.0	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
120-12-7	Anthracene	ND		ug/kg dry	49.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	77.5	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	52.2	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	76.2	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	60.2	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	77.5	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	64.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	83.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	73.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	68.0	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	74.4	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
117-81-7	**Bis(2-ethylhexyl)phthalate**	**93.3**	J	ug/kg dry	67.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
218-01-9	Chrysene	ND		ug/kg dry	80.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	64.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	105	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	57.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	59.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	90.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
206-44-0	Fluoranthene	ND		ug/kg dry	116	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
86-73-7	Fluorene	ND		ug/kg dry	56.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	32.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	80.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	149	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	72.0	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	73.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
78-59-1	Isophorone	ND		ug/kg dry	74.4	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
91-20-3	Naphthalene	ND		ug/kg dry	59.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	90.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	72.4	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD

Sample Information

Client Sample ID: B-3 10-12 **York Sample ID:** 11B0154-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	52.3	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	116	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	56.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
85-01-8	Phenanthrene	ND		ug/kg dry	73.9	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
108-95-2	Phenol	ND		ug/kg dry	80.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
129-00-0	Pyrene	ND		ug/kg dry	71.9	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD
110-86-1	Pyridine	ND		ug/kg dry	78.2	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/09/2011 23:50	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**6810**		mg/kg dry	1.51	2.40	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-36-0	**Antimony**	**1.63**		mg/kg dry	0.168	0.360	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-38-2	**Arsenic**	**1.29**		mg/kg dry	0.228	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-39-3	**Barium**	**44.9**		mg/kg dry	0.288	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.010	0.120	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.156	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-70-2	**Calcium**	**3430**		mg/kg dry	0.052	2.40	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-47-3	**Chromium**	**15.1**		mg/kg dry	0.096	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-48-4	**Cobalt**	**7.82**		mg/kg dry	0.096	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-50-8	**Copper**	**11.7**		mg/kg dry	0.168	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7439-89-6	**Iron**	**11100**		mg/kg dry	0.661	1.20	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7439-92-1	**Lead**	**3.77**		mg/kg dry	0.120	0.360	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7439-95-4	**Magnesium**	**3240**		mg/kg dry	0.985	2.40	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7439-96-5	**Manganese**	**85.2**		mg/kg dry	0.096	1.20	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-02-0	**Nickel**	**16.1**		mg/kg dry	0.084	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-09-7	**Potassium**	**1080**		mg/kg dry	3.27	12.0	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7782-49-2	**Selenium**	**0.888**		mg/kg dry	0.254	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-22-4	Silver	ND		mg/kg dry	0.108	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-23-5	**Sodium**	**777**		mg/kg dry	8.07	12.0	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-28-0	Thallium	ND		mg/kg dry	0.228	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-62-2	**Vanadium**	**21.9**		mg/kg dry	0.096	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW
7440-66-6	**Zinc**	**38.5**		mg/kg dry	0.084	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:25	MW

Sample Information

Client Sample ID: B-3 10-12 **York Sample ID:** 11B0154-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.117	0.120	1	EPA SW846-7471	02/09/2011 13:03	02/09/2011 13:03	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**83.2**		%	0.100	0.100	1	SM 2540G	02/09/2011 14:33	02/09/2011 14:33	MZ

Sample Information

Client Sample ID: B-4 0-2 **York Sample ID:** 11B0154-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.90	22	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	22	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
95-63-6	**1,2,4-Trimethylbenzene**	**2.8**	J	ug/kg dry	1.3	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	22	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.53	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.90	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS

Sample Information

Client Sample ID: B-4 0-2 **York Sample ID:** 11B0154-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
67-66-3	Chloroform	ND		ug/kg dry	0.87	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.94	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.92	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
75-09-2	**Methylene chloride**	**17**	J, B	ug/kg dry	2.6	22	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.2	22	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.77	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.3	22	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.61	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
100-42-5	Styrene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS

Sample Information

Client Sample ID: B-4 0-2 **York Sample ID:** 11B0154-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.56	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.5	34	2	EPA SW846-8260B	02/09/2011 17:30	02/09/2011 17:30	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1020	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	817	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	890	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	641	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	508	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	914	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	763	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	599	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1570	3740	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	817	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	890	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	570	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	1090	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	651	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	687	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	641	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	471	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	677	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	1410	3740	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	779	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	201	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	738	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	538	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	840	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD

Sample Information

Client Sample ID: B-4 0-2 **York Sample ID:** 11B0154-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	620	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	676	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
83-32-9	**Acenaphthene**	**1490**	J	ug/kg dry	1080	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
208-96-8	**Acenaphthylene**	**568**	J	ug/kg dry	523	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
62-53-3	Aniline	ND		ug/kg dry	672	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
120-12-7	**Anthracene**	**4000**		ug/kg dry	463	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
56-55-3	**Benzo(a)anthracene**	**9930**		ug/kg dry	723	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
50-32-8	**Benzo(a)pyrene**	**7920**		ug/kg dry	487	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
205-99-2	**Benzo(b)fluoranthene**	**3050**		ug/kg dry	711	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
191-24-2	**Benzo(g,h,i)perylene**	**1910**		ug/kg dry	562	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
207-08-9	**Benzo(k)fluoranthene**	**6740**		ug/kg dry	723	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	605	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	779	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	689	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	634	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	694	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	625	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
218-01-9	**Chrysene**	**9480**		ug/kg dry	753	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
53-70-3	**Dibenzo(a,h)anthracene**	**1640**	J	ug/kg dry	472	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	603	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	981	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	538	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	558	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	840	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
206-44-0	**Fluoranthene**	**16800**		ug/kg dry	1080	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
86-73-7	**Fluorene**	**2160**		ug/kg dry	523	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	304	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	747	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	1390	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	672	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2660**		ug/kg dry	689	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
78-59-1	Isophorone	ND		ug/kg dry	694	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
91-20-3	Naphthalene	ND		ug/kg dry	558	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	840	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	676	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD

Sample Information

Client Sample ID: B-4 0-2 **York Sample ID:** 11B0154-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	488	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	1080	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	523	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
85-01-8	**Phenanthrene**	**11400**		ug/kg dry	689	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
108-95-2	Phenol	ND		ug/kg dry	747	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
129-00-0	**Pyrene**	**10600**		ug/kg dry	670	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD
110-86-1	Pyridine	ND		ug/kg dry	730	1870	10	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:22	TD

Pesticides/PCBs, EPA TCL List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.65	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.12	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.66	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
309-00-2	Aldrin	ND		ug/kg dry	2.36	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.79	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	8.85	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 22:24	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	8.85	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 22:24	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	8.85	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 22:24	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	8.85	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 22:24	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	8.85	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 22:24	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	7.62	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 22:24	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	7.62	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 22:24	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.33	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
57-74-9	Chlordane, total	ND		ug/kg dry	14.8	14.8	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.02	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.19	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.79	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.26	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.89	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
72-20-8	Endrin	ND		ug/kg dry	2.24	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.49	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.62	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.57	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.95	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW

Sample Information

Client Sample ID: B-4 0-2 **York Sample ID:** 11B0154-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Pesticides/PCBs, EPA TCL List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.62	3.70	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.54	18.5	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.62	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/09/2011 22:24	JW
8001-35-2	Toxaphene	ND		ug/kg dry		370	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:43	JW

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**13800**		mg/kg dry	1.41	2.24	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-36-0	Antimony	ND		mg/kg dry	0.157	0.336	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-38-2	**Arsenic**	**3.54**		mg/kg dry	0.213	0.560	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-39-3	**Barium**	**127**		mg/kg dry	0.269	0.560	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.112	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.146	0.560	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-70-2	**Calcium**	**17700**		mg/kg dry	0.049	2.24	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-47-3	**Chromium**	**25.3**		mg/kg dry	0.090	0.560	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-48-4	**Cobalt**	**12.2**		mg/kg dry	0.090	0.560	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-50-8	**Copper**	**48.7**		mg/kg dry	0.157	0.560	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7439-89-6	**Iron**	**31900**		mg/kg dry	0.616	1.12	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7439-92-1	**Lead**	**48.4**		mg/kg dry	0.112	0.336	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7439-95-4	**Magnesium**	**6070**		mg/kg dry	0.919	2.24	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7439-96-5	**Manganese**	**364**		mg/kg dry	0.090	1.12	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-02-0	**Nickel**	**25.7**		mg/kg dry	0.078	0.560	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-09-7	**Potassium**	**4100**		mg/kg dry	3.05	11.2	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7782-49-2	**Selenium**	**0.704**		mg/kg dry	0.236	0.560	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-22-4	Silver	ND		mg/kg dry	0.101	0.560	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-23-5	**Sodium**	**669**		mg/kg dry	7.53	11.2	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-28-0	Thallium	ND		mg/kg dry	0.213	0.560	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-62-2	**Vanadium**	**39.8**		mg/kg dry	0.090	0.560	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW
7440-66-6	**Zinc**	**91.0**		mg/kg dry	0.078	0.560	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:40	MW

Sample Information

Client Sample ID: B-4 0-2 **York Sample ID:** 11B0154-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.109	0.112	1	EPA SW846-7471	02/09/2011 13:03	02/09/2011 13:03	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**89.2**		%	0.100	0.100	1	SM 2540G	02/09/2011 14:33	02/09/2011 14:33	MZ

Sample Information

Client Sample ID: B-5 0-2 **York Sample ID:** 11B0154-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.90	22	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	22	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
95-63-6	**1,2,4-Trimethylbenzene**	**3.9**	J	ug/kg dry	1.3	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	22	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.53	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.90	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS

Sample Information

Client Sample ID: B-5 0-2 **York Sample ID:** 11B0154-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
75-25-2	Bromoform	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
67-66-3	Chloroform	ND		ug/kg dry	0.87	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.85	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.95	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.92	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
75-09-2	**Methylene chloride**	**19**	B, J	ug/kg dry	2.6	22	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.2	22	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.78	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
1330-20-7P/M	**p- & m- Xylenes**	**2.2**	J	ug/kg dry	1.3	22	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.61	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
100-42-5	Styrene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS

Sample Information

Client Sample ID: B-5 0-2 **York Sample ID:** 11B0154-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.56	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.5	34	2	EPA SW846-8260B	02/09/2011 17:55	02/09/2011 17:55	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	102	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	82.0	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	89.3	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	64.3	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	51.0	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	91.7	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	76.6	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	60.1	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	157	375	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	82.0	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	89.3	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	57.2	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	109	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	65.3	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	68.9	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	64.3	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	47.2	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	68.0	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	142	375	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	78.2	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	20.2	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	74.0	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	54.0	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	84.3	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD

Sample Information

Client Sample ID: B-5 0-2 **York Sample ID:** 11B0154-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	62.2	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	67.8	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
83-32-9	Acenaphthene	ND		ug/kg dry	109	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	52.5	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
62-53-3	Aniline	ND		ug/kg dry	67.4	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
120-12-7	Anthracene	ND		ug/kg dry	46.5	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
56-55-3	**Benzo(a)anthracene**	**95.6**	J	ug/kg dry	72.5	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
50-32-8	**Benzo(a)pyrene**	**76.1**	J	ug/kg dry	48.9	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
205-99-2	**Benzo(b)fluoranthene**	**123**	J	ug/kg dry	71.3	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
191-24-2	**Benzo(g,h,i)perylene**	**75.0**	J	ug/kg dry	56.3	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	72.6	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	60.7	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	78.2	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	69.1	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	63.6	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	69.6	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
117-81-7	**Bis(2-ethylhexyl)phthalate**	**100**	J	ug/kg dry	62.8	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
218-01-9	**Chrysene**	**93.3**	J	ug/kg dry	75.5	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.4	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	60.5	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	98.4	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	54.0	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	56.0	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	84.3	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
206-44-0	**Fluoranthene**	**181**	J	ug/kg dry	109	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
86-73-7	Fluorene	ND		ug/kg dry	52.5	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	30.5	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	75.0	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	139	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	67.4	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	69.1	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
78-59-1	Isophorone	ND		ug/kg dry	69.6	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
91-20-3	Naphthalene	ND		ug/kg dry	56.0	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	84.3	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	67.8	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD

Sample Information

Client Sample ID: B-5 0-2 **York Sample ID:** 11B0154-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.9	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	109	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	52.5	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
85-01-8	**Phenanthrene**	**108**	J	ug/kg dry	69.1	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
108-95-2	Phenol	ND		ug/kg dry	75.0	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
129-00-0	**Pyrene**	**139**	J	ug/kg dry	67.2	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD
110-86-1	Pyridine	ND		ug/kg dry	73.2	187	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 00:53	TD

Pesticides/PCBs, EPA TCL List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.65	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.12	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.66	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
309-00-2	Aldrin	ND		ug/kg dry	2.37	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.80	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	8.88	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 22:56	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	8.88	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 22:56	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	8.88	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 22:56	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	8.88	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 22:56	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	8.88	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 22:56	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	7.65	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 22:56	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	7.65	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 22:56	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.34	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
57-74-9	Chlordane, total	ND		ug/kg dry	14.8	14.8	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.02	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.19	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.80	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.27	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.90	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
72-20-8	Endrin	ND		ug/kg dry	2.25	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.50	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.63	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.57	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.96	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW

Sample Information

Client Sample ID: B-5 0-2 **York Sample ID:** 11B0154-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Pesticides/PCBs, EPA TCL List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.63	3.71	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.57	18.6	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.65	19.1	1	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 22:56	JW
8001-35-2	Toxaphene	ND		ug/kg dry		371	10	EPA SW 846-8081/8082	02/08/2011 16:37	02/10/2011 11:58	JW

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**5680**		mg/kg dry	1.42	2.25	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-36-0	**Antimony**	**19.9**		mg/kg dry	0.157	0.337	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-38-2	**Arsenic**	**3.81**		mg/kg dry	0.214	0.562	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-39-3	**Barium**	**92.7**		mg/kg dry	0.270	0.562	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.112	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.146	0.562	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-70-2	**Calcium**	**42200**		mg/kg dry	0.049	2.25	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-47-3	**Chromium**	**8.82**		mg/kg dry	0.090	0.562	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-48-4	**Cobalt**	**3.69**		mg/kg dry	0.090	0.562	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-50-8	**Copper**	**146**		mg/kg dry	0.157	0.562	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7439-89-6	**Iron**	**9980**		mg/kg dry	0.618	1.12	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7439-92-1	**Lead**	**216**		mg/kg dry	0.112	0.337	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7439-95-4	**Magnesium**	**13200**		mg/kg dry	0.922	2.25	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7439-96-5	**Manganese**	**484**		mg/kg dry	0.090	1.12	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-02-0	**Nickel**	**11.6**		mg/kg dry	0.079	0.562	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-09-7	**Potassium**	**977**		mg/kg dry	3.06	11.2	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7782-49-2	Selenium	ND		mg/kg dry	0.237	0.562	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-22-4	Silver	ND		mg/kg dry	0.101	0.562	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-23-5	**Sodium**	**726**		mg/kg dry	7.56	11.2	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-28-0	Thallium	ND		mg/kg dry	0.214	0.562	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-62-2	**Vanadium**	**21.1**		mg/kg dry	0.090	0.562	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW
7440-66-6	**Zinc**	**46.4**		mg/kg dry	0.079	0.562	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:44	MW

Sample Information

Client Sample ID: B-5 0-2 **York Sample ID:** 11B0154-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.109	0.112	1	EPA SW846-7471	02/09/2011 13:03	02/09/2011 13:03	AA

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**88.9**		%	0.100	0.100	1	SM 2540G	02/09/2011 14:33	02/09/2011 14:33	MZ

Sample Information

Client Sample ID: B-5 15-17 **York Sample ID:** 11B0154-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.96	24	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.0	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	24	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	24	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.57	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.96	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS

Sample Information

Client Sample ID: B-5 15-17 **York Sample ID:** 11B0154-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
67-66-3	Chloroform	ND		ug/kg dry	0.93	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.5	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.91	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.0	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
75-09-2	**Methylene chloride**	**16**	B, J	ug/kg dry	2.8	24	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.83	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	24	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.65	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS

Sample Information

Client Sample ID: B-5 15-17 **York Sample ID:** 11B0154-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Volatile Organics, 8260 List

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

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.60	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	36	2	EPA SW846-8260B	02/09/2011 18:20	02/09/2011 18:20	SS

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	109	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	87.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	95.4	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	68.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	54.5	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	97.9	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	81.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	64.2	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	168	400	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	87.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	95.4	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	61.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	117	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	69.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	73.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	68.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	50.4	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	72.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	151	400	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	83.5	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	79.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	57.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
100-01-6	4-Methylphenol	ND		ug/kg dry	90.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD

Sample Information

Client Sample ID: B-5 15-17 **York Sample ID:** 11B0154-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitroaniline	ND		ug/kg dry	66.5	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	72.4	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
83-32-9	Acenaphthene	ND		ug/kg dry	116	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	56.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
62-53-3	Aniline	ND		ug/kg dry	72.0	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
120-12-7	Anthracene	ND		ug/kg dry	49.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	77.5	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	52.2	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	76.2	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	60.2	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	77.5	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	64.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	83.5	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	73.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	68.0	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	74.4	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	67.0	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
218-01-9	Chrysene	ND		ug/kg dry	80.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	64.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	105	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	57.7	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	59.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	90.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
206-44-0	Fluoranthene	ND		ug/kg dry	116	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
86-73-7	Fluorene	ND		ug/kg dry	56.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	32.6	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	80.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	149	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	72.0	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	73.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
78-59-1	Isophorone	ND		ug/kg dry	74.4	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
91-20-3	Naphthalene	ND		ug/kg dry	59.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	90.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	72.4	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD

Sample Information

Client Sample ID: B-5 15-17 **York Sample ID:** 11B0154-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Semi-Volatiles, 8270 Target List

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

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	52.3	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	116	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	56.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
85-01-8	Phenanthrene	ND		ug/kg dry	73.9	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
108-95-2	Phenol	ND		ug/kg dry	80.1	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
129-00-0	Pyrene	ND		ug/kg dry	71.8	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD
110-86-1	Pyridine	ND		ug/kg dry	78.2	200	1	EPA SW-846 8270C	02/09/2011 07:32	02/10/2011 01:25	TD

Metals, Target Analyte

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

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**16600**		mg/kg dry	1.51	2.40	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-36-0	Antimony	ND		mg/kg dry	0.168	0.360	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-38-2	**Arsenic**	**4.03**		mg/kg dry	0.228	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-39-3	**Barium**	**104**		mg/kg dry	0.288	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.010	0.120	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.156	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-70-2	**Calcium**	**911**		mg/kg dry	0.052	2.40	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-47-3	**Chromium**	**46.1**		mg/kg dry	0.096	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-48-4	**Cobalt**	**15.4**		mg/kg dry	0.096	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-50-8	**Copper**	**44.8**		mg/kg dry	0.168	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7439-89-6	**Iron**	**45500**		mg/kg dry	0.661	1.20	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7439-92-1	**Lead**	**2.76**		mg/kg dry	0.120	0.360	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7439-95-4	**Magnesium**	**9560**		mg/kg dry	0.985	2.40	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7439-96-5	**Manganese**	**443**		mg/kg dry	0.096	1.20	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-02-0	**Nickel**	**36.1**		mg/kg dry	0.084	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-09-7	**Potassium**	**8430**		mg/kg dry	3.27	12.0	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7782-49-2	**Selenium**	**1.55**		mg/kg dry	0.253	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-22-4	Silver	ND		mg/kg dry	0.108	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-23-5	**Sodium**	**446**		mg/kg dry	8.07	12.0	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-28-0	Thallium	ND		mg/kg dry	0.228	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-62-2	**Vanadium**	**75.5**		mg/kg dry	0.096	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW
7440-66-6	**Zinc**	**86.4**		mg/kg dry	0.084	0.601	1	EPA SW846-6010B	02/09/2011 15:44	02/09/2011 19:49	MW

Sample Information

Client Sample ID: B-5 15-17 **York Sample ID:** 11B0154-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11B0154	SB10180.40	Soil	February 3, 2011 12:00 am	02/07/2011

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.117	0.120	1	EPA SW846-7471	02/09/2011 13:03	02/09/2011 13:03	AA

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**83.3**		%	0.100	0.100	1	SM 2540G	02/09/2011 14:33	02/09/2011 14:33	MZ

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

S-01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
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.
IS-01	Certain internal standards were suppressed due to matrix effects. The sample was reanalyzed to confirm this matrix interference.
B	Analyte is found in the associated analysis batch blank.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

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

Field Chain-of-Custody Record

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

York Project No. 11B0154

Client Information	Report to:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: Ecosystems Strategies	SAME ☐	SAME ☐	SB10180.40	RUSH Same Day ___	Summary X
Address: 14 Davis Ave,	Name: Richard	Name: Brenda		RUSH Next Day ___	QA/QC Summary ___
Poughkeepsie	Company:	Company:		RUSH Two Day ___	CT RCP Pkg ___
Phone no.: 845 452 1658	Address:	Address:	Purchase Order no.	RUSH Three Day ___	ASP A Pkg ___
Contact Person				RUSH Four Day ___	ASP B Pkg ___
E-mail Addr.:	E-mail:	E-mail		Standard (5-7 days) X	Excel X
FAX No.:	Fax No.:	Fax No.:	Samples from: CT__ NY__ NJ__	OTHER	EDD

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

Samples Collected/Authorized By (Signature)

Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Indiv. Metals	Air STARS	Part 360-[illegible]	BTU/lb.	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360-[illegible]	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe,	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, Ag, etc	Helium	TAGM	Silica	MBAS	TPH - IR

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
B-1/[illegible] 0-2	2/3/2011	soil	VOCs (8260), SVOCs (8270), TAL Metals, Pesticides & PCBs	2 oz
B-1/[illegible] 25-26	2/3/2011	soil	VOCs (8260), SVOCs (8270), TAL Metals, ~~Pesticides & PCBs~~	2 oz
B-2/[illegible] 0-2	2/3/2011	soil	VOCs (8260), SVOCs (8270), TAL Metals, Pesticides & PCBs	2 oz
B-2/[illegible] 22-24	2/3/2011	soil	VOCs (8260), SVOCs (8270), TAL Metals, ~~Pesticides & PCB~~s	2 oz
TRIP BLANK	2/3/011	Water	VOCs (8260)	2x40ml

Comments

Preservation "X" those applicable: Cool 4°C ___ HNO3 ___ H2SO4 ___ NaOH ___ NONE ___ FROZEN ___

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
			2-7-11 9:25
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
			2/7/11 1520

Temperature on Receipt 3.5 °C

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

Field Chain-of-Custody Record

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

York Project No. 11B0154

Client Information	Report to:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: Ecosystems Strategies	SAME ☐	SAME ☐	SB10180.40	RUSH Same Day ___	Summary X
Address: 14 Davis Ave,	Name: Richard	Name: Brenda		RUSH Next Day ___	QA/QC Summary ___
Poughkeepsie	Company:	Company:		RUSH Two Day ___	CT RCP Pkg ___
Phone no.: 845 452 1658	Address:	Address:	Purchase Order no.	RUSH Three Day ___	ASP A Pkg ___
Contact Person				RUSH Four Day ___	ASP B Pkg ___
E-mail Addr.:	E-mail:	E-mail		Standard (5-7 days) X	Excel X
FAX No.:	Fax No.:	Fax No.:	Samples from: CT__ NY__ NJ__	OTHER	EDD

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

Samples Collected/Authorized By (Signature)

Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Indiv. Metals	Air STARS	Part 360+ (specify)	BTU/lb.	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360+ (specify)	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe,	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, Ag, etc	Helium	TAGM	Silica	MBAS	TPH - IR

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
B-3 0-2	2/4/2011	soil	VOCs (8260), SVOCs (8270), TAL Metals, Pesticides & PCBs	2 oz
B-3 10-12	2/4/2011	soil	VOCs (8260), SVOCs (8270), TAL Metals, ~~Pesticides & PCBs~~	2 oz
B-4 0-2	2/4/2011	soil	VOCs (8260), SVOCs (8270), TAL Metals, Pesticides & PCBs	2 oz
B-5 0-2	2/4/2011	soil	VOCs (8260), SVOCs (8270), TAL Metals, Pesticides & PCBs	2 oz
B-5 15-17	2/4/2011	soil	VOCs (8260), SVOCs (8270), TAL Metals, ~~Pesticides & PCBs~~	2 oz
	2/4/2011	soil	VOCs (8260), SVOCs (8270), TAL Metals, Pesticides & PCBs	2 oz

Comments

Preservation "X" those applicable: Cool 4°C ___ HNO3 ___ H2SO4 ___ NaOH ___ NONE ___ FROZEN ___

Samples Relinquished By — Date/Time: 2/7/11

Samples Relinquished By — Date/Time:

Samples Received By — Date/Time: 2-7-11 9:25

Samples Received in LAB by — Date/Time: 2/7/11 1520

Temperature on Receipt 3.5 °C

III

SOILTESTING, INC. 140 OXFORD RD. OXFORD, CT 06478 CT (203) 888-4531 NY (914) 946-4850	CLIENT: Ecosystems Strategies,Inc.	SHEET 1 OF 1 HOLE NO. B-1/MW-1
	PROJECT NO. E6-8803-11	
	PROJECT NAME 1825 Boston Post Road	BORING LOCATIONS as directed
FOREMAN - DRILLER MD/mt	LOCATION Bronx, NY	
INSPECTOR RH	TYPE: CASING HSA, SAMPLER SS, CORE BAR	OFFSET
GROUND WATER OBSERVATIONS AT 25 FT AFTER 6 HOURS AT FT AFTER HOURS	SIZE I.D.: 4 ¼", 1 3/8" HAMMER WT.: 140#, BIT HAMMER FALL: 30"	DATE START 2/3/11 DATE FINISH 2/3/11 SURFACE ELEV. GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC.	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0 - 6	6 - 12	12- 18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		1	ss	24"	6"	2'0"	4	7			dry		Brn FC SAND,sm F gravel, lit brick,concrete,
							1	1			loose		C gravel (building rubbel/ FILL)
		2	ss	24"	1"	4'0"	5	2					
							3	1			loose		SAME
5		3	ss	24"	12"	6'0"	13	7			dry		
							5	3			compact		SAME
		4	ss	24"	6"	8'0"	21	7			v moist		
							6	4			compact	8'0"	SAME
		5	ss	24"	14"	10'0"	2	2			moist		
10							2	2			v loose		Dk Brn Organic SILT, lit F sand
		6	ss	24"	16"	12'0"	1	1			moist		
							1	2			v loose		SAME; Gry
		7	ss	24"	24"	14'0"	2	1			moist		
							2	3			v loose		SAME
15		8	ss	24"	20"	16'0"	1	2			moist		
							2	2			v loose		SAME
		9	ss	24"	24"	18'0"	1	2			moist		
							1	2			v loose		SAME
		10	ss	24"	24"	20'0"	1	1			moist		
20							2	2			v loose		SAME
		11	ss	24"	24"	22'0"	2	2			moist		
							3	3			loose		SAME
		12	ss	24"	8"	24'0"	3	3			moist		
							6	4			loose	24'6"	SAME
25		13	ss	24"	6"	26'0"	WOR	12			wet		Gry FM SAND,sm C sand, lit silt
							7	5			compact		Gry F SAND,lit silt,MC sand
		14	ss	24"	24"	28'0"	11	6			wet		
							5	9			compact		Brn VF SAND,sm silt,silty clay layers
		15	ss	24"	15"	30'0"	6	5			wet		
30							5	7			loose		Gry FM SAND & SILT,sm C sand,lit weathered cobble
		16	ss	24"	16"	32'0"	4	14			wet		Brn FC SAND,sm silt, weathered rock in tip
							34	19			dense		Boulder @ 32'0"
		17	ss	24"	12"	34'0"	44	36			wet		
							32	22			v dense		Weathered Rock
35		18	ss	24"	15"	35'9"	32	32			wet		
							50	50/3"			v dense	35'9"	Auger Refusal
													E.O.B. 35'9"
40													

led by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO _____FT. USED __ T = THINWALL — HOLE NO. B-1/MW-1

A = AUGER UP = UNDISTURBED PISTON V = VANE TEST

WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS C = COARSE

SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER M = MEDIUM

PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND =35 - 50% F = FINE

SOILTESTING, INC. 140 OXFORD RD. OXFORD, CT 06478 CT (203) 888-4531 NY (914) 946-4850	CLIENT: Ecosystems Strategies,Inc.	SHEET 1 OF 1 HOLE NO. B-2/TW-1
	PROJECT NO. E6-8803-11	
	PROJECT NAME 1825 Boston Post Road	BORING LOCATIONS as directed
FOREMAN - DRILLER MD/mt	LOCATION Bronx, NY	
INSPECTOR RH	CASING / SAMPLER / CORE BAR TYPE HSA / SS SIZE I.D. 4 ¼" / 1 3/8" HAMMER WT. 140# BIT HAMMER FALL 30"	OFFSET DATE START 2/3/11 DATE FINISH 2/3/11 SURFACE ELEV. GROUND WATER ELEV.
GROUND WATER OBSERVATIONS AT 18 FT AFTER 0 HOURS AT FT AFTER HOURS		

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		1	ss	24"	13"	2'0"	5	7			dry		
							13	12			compact		Brn FC SAND,sm F gravel, brick,lit concrete
		2	ss	9"	7"	2'9"	13	50/3'					SAME
5		3	ss	24"	12"	6'0"	0	10			dry		
							15	21			compact		SAME
		4	ss	9"	9"	6'9"	21	50/3"					
		5	ss	0"	0"	8'0"	50/0"						SAME
10													Gry/Brn F SAND & SILT,lit asphalt, organics
		6	ss	24"	7"	12'0"	10	6			dry		
							4	6			loose		Gry/Brn VF SAND, lit silt, organics
		7	ss	24"	16"	14'0"	10	12			dry		
							11	10			compact		Brn F SAND
15		8	ss	24"	16"	16'0"	7	8			v moist		
							9	8			compact		Brn VF SAND,sm silt
		9	ss	24"	15"	18'0"	8	6			wet		
							4	11			loose		Brn F SAND
		10	ss	24"	20"	20'0"	8	6			wet		
20							5	4			compact		no recovery
		11	ss	24"	13"	22'0"	6	6			wet		
							5	4			compact		Brn VF SAND & SILT
		12	ss	24"	20"	24'0"	4	4			wet		
							5	6			loose		
25													
30												30'0"	Auger Refusal
													E.O.B. 30'0"
35													
40													

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO _____FT. USED _____CASING THEN _____ CASING TO _____FT. **HOLE NO. B-2/TW-1**

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST

WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS

SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER

PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND =35 - 50%

C = COARSE
M = MEDIUM
F = FINE

SOILTESTING, INC. 140 OXFORD RD. OXFORD, CT 06478 CT (203) 888-4531 NY (914) 946-4850	CLIENT: Ecosystems Strategies,Inc.	SHEET 1 OF 1 HOLE NO. B-3 /TW-2
	PROJECT NO. E6-8803-11	
	PROJECT NAME 1825 Boston Post Road	BORING LOCATIONS as directed
FOREMAN - DRILLER MD/tp	LOCATION Bronx, NY	
INSPECTOR RH		OFFSET
GROUND WATER OBSERVATIONS AT 11 FT AFTER 0 HOURS AT FT AFTER HOURS	TYPE: CASING HSA, SAMPLER SS, CORE BAR SIZE I.D.: 4 ¼", 1 3/8" HAMMER WT.: 140#, BIT HAMMER FALL: 30"	DATE START 2/4/11 DATE FINISH 2/4/11 SURFACE ELEV. GROUND WATER ELEV.

DEPTH	CASING BLOWS PER FOOT	SAMPLE NO	Type	PEN	REC	DEPTH @ BOT	BLOWS PER 6 IN ON SAMPLER (FORCE ON TUBE) 0-6	6-12	12-18	CORE TIME PER FT (MIN)	DENSITY OR CONSIST / MOIST	STRATA CHANGE DEPTH / ELEV	FIELD IDENTIFICATION OF SOIL REMARKS INCL. COLOR, LOSS OF WASH WATER, SEAMS IN ROCK, ETC.
		1	ss	24"	15"	2'0"	20 21	13 24			moist dense		Brn FM SAND,sm brick, F gravel, lit concrete,silt
5		2	ss	17"	10"	6'5"	5 50/5"	15			dry dense		SAME
10		3	ss	24"	16"	12'0"	4 7	6 6			wet compact		Gry/Dk Brn Organic SILT & F SAND
15													
20													
25													
												29'0"	Auger Refusal
30													E.O.B. 29'0"
35													
40													

NOTE: Subsoil conditions revealed by this investigation represent conditions at specific locations and may not represent conditions at other locations or times.

GROUND SURFACE TO _____FT. USED _____CASING THEN _____ CASING TO _____FT. **HOLE NO. B-3 /TW-2**

A = AUGER UP = UNDISTURBED PISTON T = THINWALL V = VANE TEST

WOR = WEIGHT OF RODS WOH = WEIGHT OF HAMMER & RODS

SS = SPLIT TUBE SAMPLER H.S.A. = HOLLOW STEM AUGER

PROPORTIONS USED: TRACE = 0 - 10% LITTLE = 10 - 20% SOME = 20 - 35% AND =35 - 50%

C = COARSE

M = MEDIUM

F = FINE

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Crotona Terrace
Project No.: 13BR171
Location: 1825 Boston Road
Bronx, New York

Soil Boring/Test Pit ID: SB-1
Date Installed: 10/15/13
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-4.0	0	Red brick, sand and gravel
4.0-7.0	0	Dark brown silt and fine sand, trace clay
7.0-7.5	0	Concrete
7.5-8.0	0	Dark brown silt and fine sand, trace clay
8.0		Total Depth
		Soil Samples Collected for Laboratory Analysis
		SB-1A from grade to 2 feet below grade
		SB-1B from 6 feet to 8 feet below grade

Date: 10/28/13 **Signature:** _____
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Crotona Terrace
Project No.: 13BR171
Location: 1825 Boston Road
Bronx, New York

Soil Boring/Test Pit ID: SB-2
Date Installed: 10/15/13
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-1.0	0	Red brick, sand and gravel
1.0-8.0	0	Brown fine sand, little concrete, trace brick
8.0		Total Depth
		Soil Samples Collected for Laboratory Analysis
		SB-2A from grade to 2 feet below grade
		SB-2B from 6 feet to 8 feet below grade

Date: 10/28/13 **Signature:** _____
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Crotona Terrace
Project No.: 13BR171
Location: 1825 Boston Road
Bronx, New York

Soil Boring/Test Pit ID: SB-3
Date Installed: 10/15/13
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-1.0	0	Brown fine sand and concrete
1.0-6.0	0	Yellowish-brown fine sand, some silt, trace clay
6.0-6.5	0	Concrete
6.5-8.0	0	Yellowish-brown medium to fine sand
8.0		Total Depth
		Soil Samples Collected for Laboratory Analysis
		SB-3A from grade to 2 feet below grade
		SB-3B from 6 feet to 8 feet below grade

Date: 10/28/13 **Signature:** _____
Duane Shinton, Geologist

BRINKERHOFF ENVIRONMENTAL SERVICES, INC.
1805 Atlantic Avenue
Manasquan, New Jersey 08736

SOIL LOG FORM

Project Name: Crotona Terrace
Project No.: 13BR171
Location: 1825 Boston Road
Bronx, New York

Soil Boring/Test Pit ID: SB-4
Date Installed: 10/15/13
Depth to Groundwater: Not Encountered

INTERVAL DEPTH (feet)	PID READING (parts per million)	SOIL DESCRIPTION
0-8.0	0	Brown fine sand, brick, concrete, and rock
8.0		Total Depth
		Soil Samples Collected for Laboratory Analysis
		SB-4A from grade to 2 feet below grade
		SB-4B from 6 feet to 8 feet below grade

Date: 10/28/13 **Signature:** Duane Shinton, Geologist

Phone
(203) 888-4531

Telefax
(203) 888-6247

WHITE PLAINS, N.Y.
(914) 946-4850

SOILTESTING, INC.

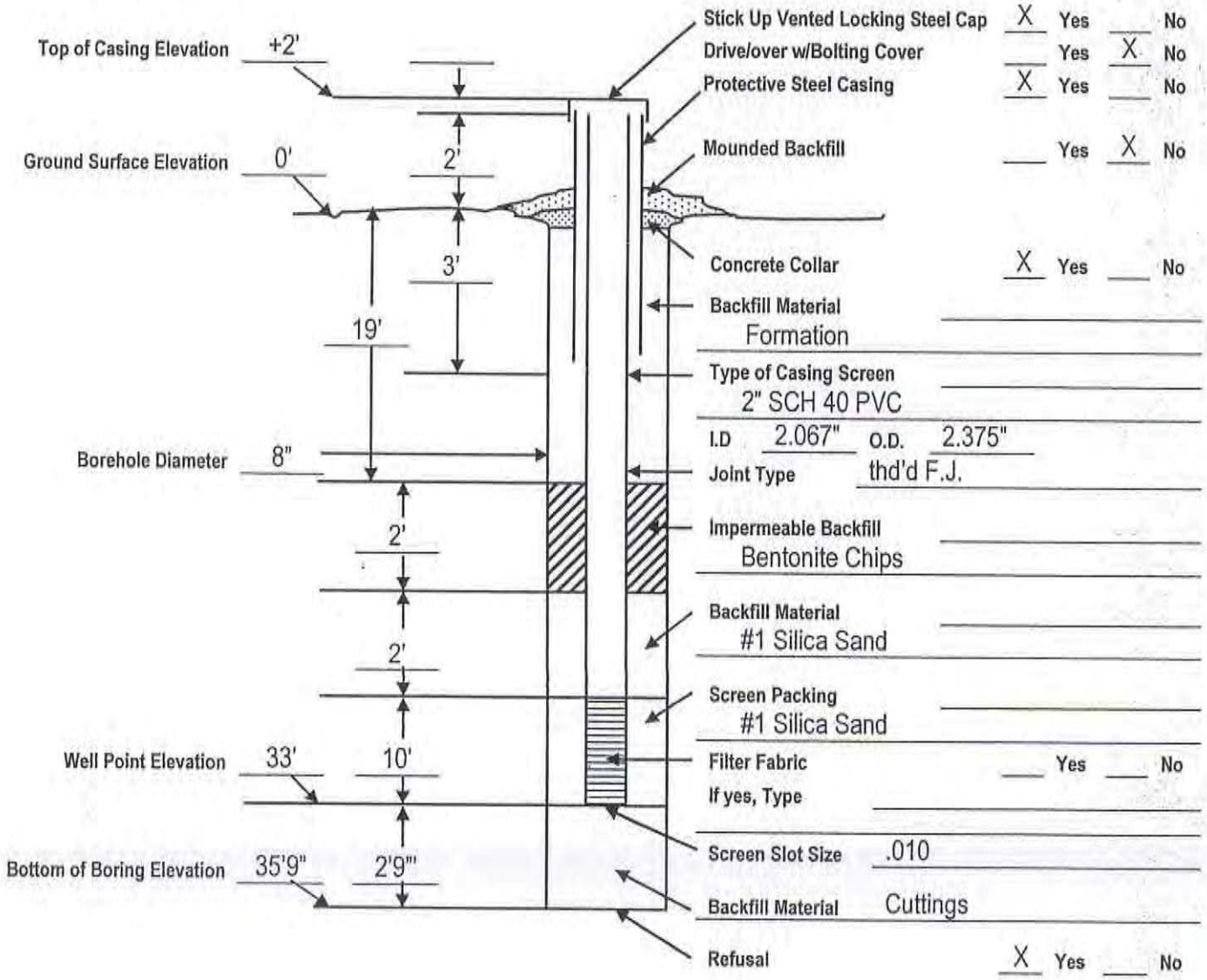
140 OXFORD ROAD - OXFORD, CONN. 06478-1943

GEOTECHNICAL / ENVIRONMENTAL SUBSURFACE INVESTIGATIONS - Test Borings - Core Drilling
Monitoring Wells - Recovery Wells - Direct Push/Probe Sampling
UNDERPINNING - HELICAL PILES - SOIL NAILS

CLIENT: Ecosystems Strategies, Inc.

Monitor Well # B-1 /MW - 1

JOB #: E6-8803-11



Screen	10'	Bentonite Pellets		Locking Exp. Plug	1
Riser	25'	Bentonite Chips	½ bag	Lock	
Plug	1	Concrete Mix	1 bag	D/O	1
Slip Cap		Portland Cement		S/U	1
Silica Sand	400#				
Powdered Bentonite					

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SOILTESTING, INC.

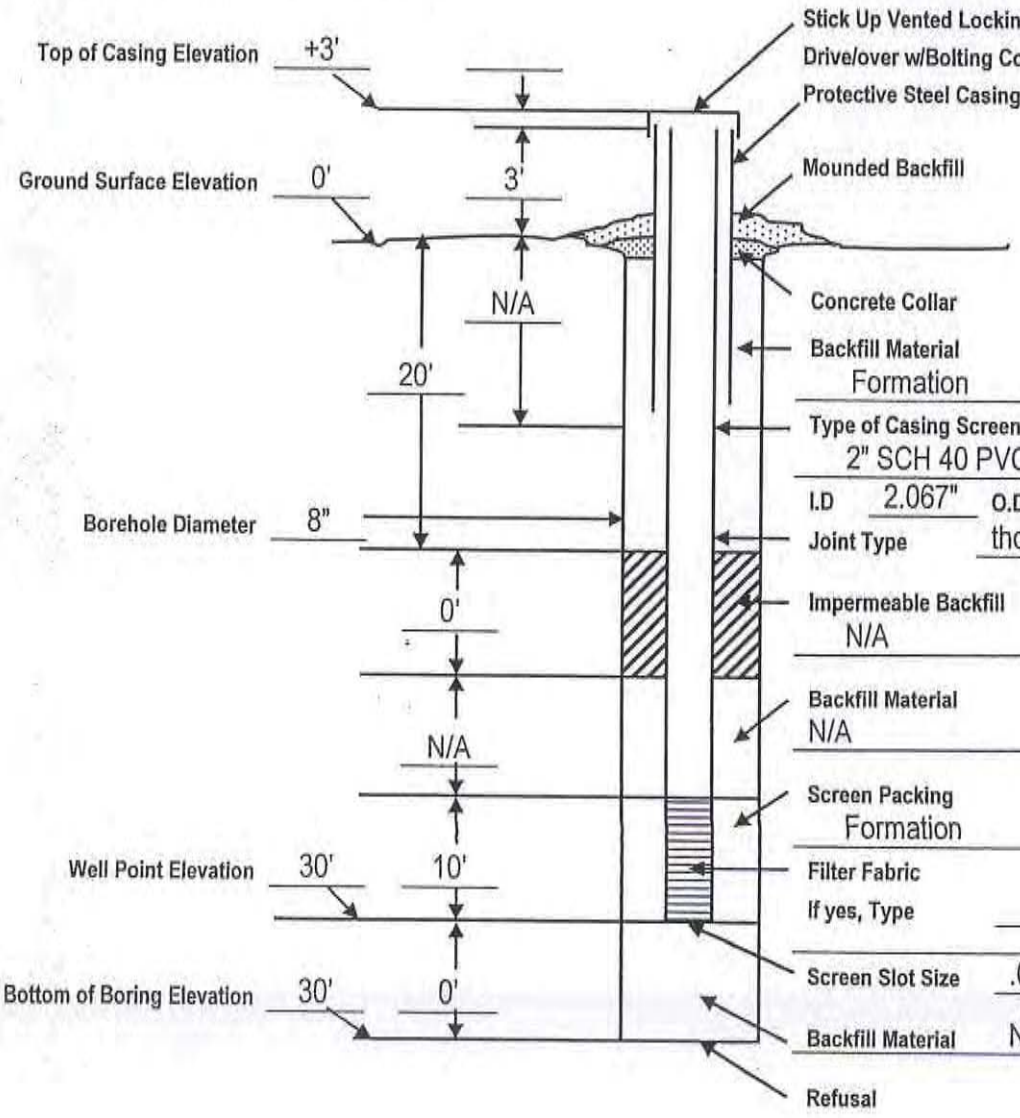
140 OXFORD ROAD - OXFORD, CONN. 06478-1943

GEOTECHNICAL / ENVIRONMENTAL SUBSURFACE INVESTIGATIONS - Test Borings - Core Drilling
Monitoring Wells - Recovery Wells - Direct Push/Probe Sampling
UNDERPINNING - HELICAL PILES - SOIL NAILS

CLIENT: Ecosystems Strategies, Inc.

Monitor Well # B-2/TW - 1

JOB #: E6-8803-11



Stick Up Vented Locking Steel Cap ___ Yes X No
Drive/over w/Bolting Cover ___ Yes X No
Protective Steel Casing ___ Yes X No
Mounded Backfill X Yes ___ No
Concrete Collar X Yes ___ No
Backfill Material Formation
Type of Casing Screen 2" SCH 40 PVC
I.D 2.067" O.D. 2.375"
Joint Type thd'd F.J.
Impermeable Backfill N/A
Backfill Material N/A
Screen Packing Formation
Filter Fabric ___ Yes ___ No
If yes, Type
Screen Slot Size .010
Backfill Material N/A
Refusal ___ Yes X No

Screen	10'	Bentonite Pellets		Locking Exp. Plug	1
Riser	25'	Bentonite Chips	none	Lock	
Plug	1	Concrete Mix	none	D/O	
Slip Cap		Portland Cement		S/U	
Silica Sand	none				
Powdered Bentonite					

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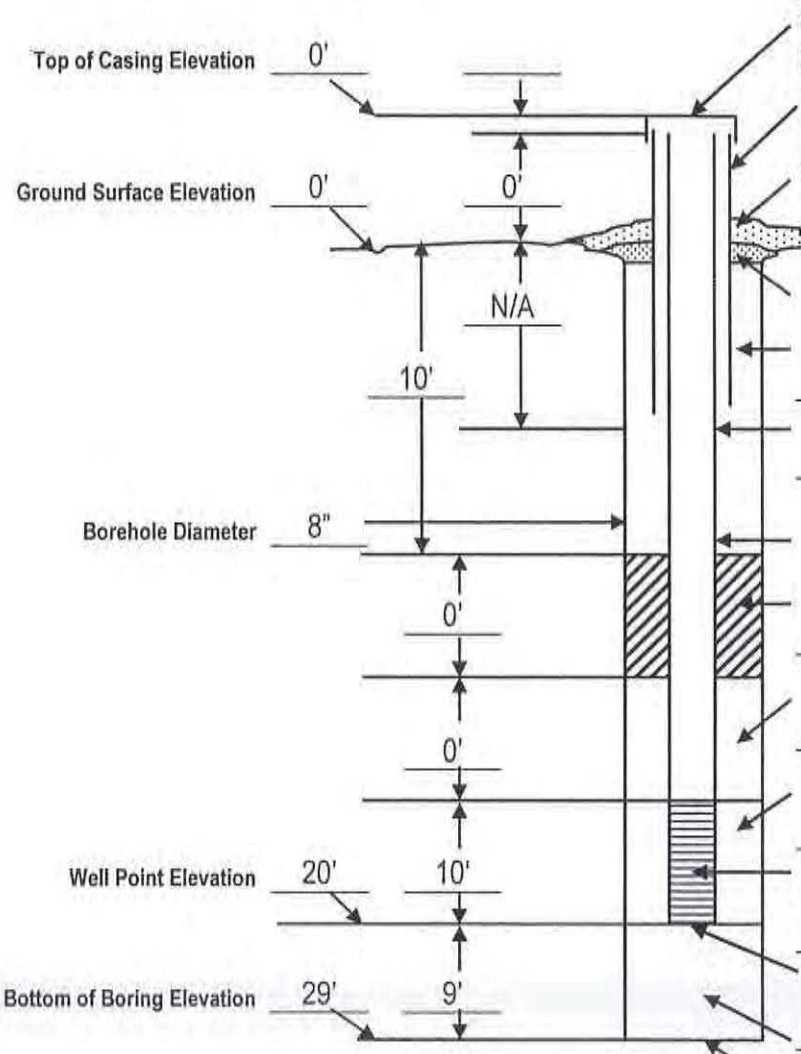
SOILTESTING, INC.

140 OXFORD ROAD - OXFORD, CONN. 06478-1943

GEOTECHNICAL / ENVIRONMENTAL SUBSURFACE INVESTIGATIONS - Test Borings - Core Drilling
Monitoring Wells - Recovery Wells - Direct Push/Probe Sampling
UNDERPINNING - HELICAL PILES - SOIL NAILS

CLIENT: Ecosystems Strategies, Inc.

Monitor Well # B-3/TW - 2 **JOB #:** E6-8803-11



Stick Up Vented Locking Steel Cap ___ Yes X No
Drive/over w/Bolting Cover ___ Yes X No
Protective Steel Casing ___ Yes X No
Mounded Backfill ___ Yes X No
Concrete Collar ___ Yes X No
Backfill Material Formation
Type of Casing Screen 2" SCH 40 PVC
I.D 2.067" O.D. 2.375"
Joint Type thd'd F.J.
Impermeable Backfill N/A
Backfill Material N/A
Screen Packing formation
Filter Fabric ___ Yes ___ No
If yes, Type
Screen Slot Size .010
Backfill Material Formation
Refusal X Yes ___ No

Screen	10'	Bentonite Pellets		Locking Exp. Plug	1
Riser	10'	Bentonite Chips	none	Lock	
Plug	1	Concrete Mix	none	D/O	none
Slip Cap		Portland Cement		S/U	
Silica Sand	none				
Powdered Bentonite					

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: Crotona Terrace, 1825 Boston Road, Bronx, New York

Sample Date:	10/15/13	**BES Job # :**	13BR171
Sample ID#:	GW-1	**Sampled By:**	Duane Shinton
Monitoring Well Number:	MW-1	**Casing Type/ Diameter:**	Schedule 40 PVC 2 "
Weather Conditions:	Sun, 75^0F	**Monitoring Well Permit #:**	Not Applicable

Readings Prior to Well Purging

Time:	9:34 AM	Product Thickness (ft.):	0.0
pH:	6.78	Depth, top of Inner Casing to Water (ft.):	19.91
Dissolved Oxygen (mg/l):	0.89	Total Depth, Top of Inner Casing (ft.):	35.67
Temp. (°C):	16.2	Length of Screen (ft.):	---
Conductivity (mS/cm)	0.98	Volume of Water in Well (gal.):	2.57

Readings Subsequent to Purging

pH:	6.77	Pump Start Time:	9:34 AM
Dissolved Oxygen (mg/l):	0.87	Pump End Time:	10:15 AM
Temp. (°C):	16.2	Purge Rate:	0.19 (gal./min.)
Conductivity (mS/cm)	0.99	Volume Purged (gal.):	8.0
		Purge Method:	Peristaltic pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	6.74	Sampling Method:	Dedicated Teflon bailer
Dissolved Oxygen (mg/l):	0.87	Sample Time:	10:15 AM
Temp. (°C):	16.3		
Conductivity (mS/cm)	0.98		

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: Crotona Terrace, 1825 Boston Road, Bronx, New York

Sample Date:	10/15/13	**BES Job # :**	13BR171
Sample ID#:	GW-2	**Sampled By:**	Duane Shinton
Monitoring Well Number:	TWP-1	**Casing Type/ Diameter:**	Schedule 40 PVC 2 "
Weather Conditions:	Sun, 75^0F	**Monitoring Well Permit #:**	Not Applicable

Readings Prior to Well Purging

Time:	10:32 AM	Product Thickness (ft.):	0.0
pH:	7.01	Depth, top of Inner Casing to Water (ft.):	19.45
Dissolved Oxygen (mg/l):	1.11	Total Depth, Top of Inner Casing (ft.):	24.11
Temp. (°C):	15.8	Length of Screen (ft.):	---
Conductivity (mS/cm)	0.889	Volume of Water in Well (gal.):	0.76

Readings Subsequent to Purging

pH:	7.00	Pump Start Time:	10:32 AM
Dissolved Oxygen (mg/l):	1.09	Pump End Time:	10:53 AM
Temp. (°C):	15.8	Purge Rate:	0.17 (gal./min.)
Conductivity (mS/cm)	0.878	Volume Purged (gal.):	3.5
		Purge Method:	Peristaltic pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	7.02	Sampling Method:	Dedicated Teflon bailer
Dissolved Oxygen (mg/l):	1.12	Sample Time:	10:53AM
Temp. (°C):	15.9		
Conductivity (mS/cm)	0.888		

Brinkerhoff Environmental Services, Inc.

Monitoring Well Sampling Data Form

Location: Crotona Terrace, 1825 Boston Road, Bronx, New York

Sample Date:	10/15/13	**BES Job # :**	13BR171
Sample ID#:	GW-3	**Sampled By:**	Duane Shinton
Monitoring Well Number:	TWP-2	**Casing Type/ Diameter:**	Schedule 40 PVC 2 "
Weather Conditions:	Sun, 75^0F	**Monitoring Well Permit #:**	Not Applicable

Readings Prior to Well Purging

Time:	10:59 AM	Product Thickness (ft.):	0.0
pH:	7.01	Depth, top of Inner Casing to Water (ft.):	20.97
Dissolved Oxygen (mg/l):	1.11	Total Depth, Top of Inner Casing (ft.):	32.07
Temp. (°C):	15.8	Length of Screen (ft.):	---
Conductivity (mS/cm)	0.889	Volume of Water in Well (gal.):	1.8

Readings Subsequent to Purging

pH:	7.00	Pump Start Time:	10:59 AM
Dissolved Oxygen (mg/l):	1.09	Pump End Time:	11:26 AM
Temp. (°C):	15.8	Purge Rate:	0.20 (gal./min.)
Conductivity (mS/cm)	0.878	Volume Purged (gal.):	5.5
		Purge Method:	Peristaltic pump w/ dedicated poly tubing

Reading Subsequent to Sampling

pH:	7.02	Sampling Method:	Dedicated Teflon bailer
Dissolved Oxygen (mg/l):	1.12	Sample Time:	11:26 AM
Temp. (°C):	15.9		
Conductivity (mS/cm)	0.888		

Soil Vapor Sampling Log - Feburary, 2011

Boring ID	Location	Depth of Sample*	Summa Canister Vacuums	Groundwater Encountered	PID Reading	Field Observations
SV-1	18' north of TW- 2 and 25' east of western property line	9'	28 psi at start 3 psi at end	No	0.0	No evidence of contamination
SV-2	Southwest corner of site. 22' east of western property line and 21' north of southern property line.	14'	30 psi at start 2 psi at end	No	0.0	No evidence of contamination
SV-3	Southeast corner of site. 15' north of southern property line and 28.5' west of eastern property line.	14'	30 psi at start 2 psi at end	No	0.0	No evidence of contamination
SV-4	Central portion of property (in area of concrete pavement). 94' west of MW-2 and 106' south of northern property line.	14'	31 psi at start 3 psi at end	No	0.0	No evidence of contamination
SV-5	Eastern portion of site. 7.5' west of eastern property line and 39' southwest of MW-2.	14'	31 psi at start 3 psi at end	No	0.0	No evidence of contamination
SV-6	Northern central portion of property. 152' west of eastern property line and 12' south of northern property line.	14'	29 psi at start 2 psi at end	No	0.0	No evidence of contamination

- Soil vapor sample depths were based on the proposed maximum depth of construction excavations. Sample SV1 was collected at a shallower depth of 9' because of the presence of shallow groundwater in that location.

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

AIR CANISTER SAMPLING DATA SHEET

SITE NAME: Crotona Terrace
STREET ADDRESS 1825 Boston Road, Bronx, NY

Sample Date:	10/15/13	**BES Job # :**	13BR171
Field ID# and Depth:	SV-1 (5 Feet)	**Sampled By:**	Duane Shinton
Canister#	3132	**Size of Canister:**	6 Liter
Regulator#	A0150597-3	**Sample Type:**	Soil Vapor

Sampling Information

AMBIENT OUTDOOR READINGS		
	Temperature (F)	Barometric Pressure (inches of Hg)
Start	72	30.8
Stop	75	30.8

INTERIOR TEMPERATURE (F)	
Start	Not Applicable
Stop	Not Applicable

CANISTER PRESSURE (inches of Hg)	
Start	-30
Stop	-2

SAMPLING TIME (24-hour-clock)	
Start	0904
Stop	1155
Total Elapsed Sampling Time: 2 Hours, 51 Minutes	

Duane Shinton
Geologist

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

AIR CANISTER SAMPLING DATA SHEET

SITE NAME: Crotona Terrace
STREET ADDRESS 1825 Boston Road, Bronx, NY

Sample Date:	10/15/13	**BES Job # :**	13BR171
Field ID# and Depth:	SV-2 (5 Feet)	**Sampled By:**	Duane Shinton
Canister#	3663A	**Size of Canister:**	6 Liter
Regulator#	A0150597-9	**Sample Type:**	Soil Vapor

Sampling Information

AMBIENT OUTDOOR READINGS		
	Temperature (F)	Barometric Pressure (inches of Hg)
Start	72	30.8
Stop	75	30.8

INTERIOR TEMPERATURE (F)	
Start	Not Applicable
Stop	Not Applicable

CANISTER PRESSURE (inches of Hg)	
Start	-30
Stop	-2

SAMPLING TIME (24-hour-clock)	
Start	0910
Stop	1159
Total Elapsed Sampling Time: 2 Hours, 49 Minutes	

Duane Shinton
Geologist

BRINKERHOFF
ENVIRONMENTAL SERVICES, INC.

AIR CANISTER SAMPLING DATA SHEET

SITE NAME: Crotona Terrace
STREET ADDRESS 1825 Boston Road, Bronx, NY

Sample Date:	10/15/13	**BES Job # :**	13BR171
Field ID# and Depth:	SV-3 (5 Feet)	**Sampled By:**	Duane Shinton
Canister#	3289	**Size of Canister:**	6 Liter
Regulator#	314470-12	**Sample Type:**	Soil Vapor

Sampling Information

AMBIENT OUTDOOR READINGS		
	Temperature (F)	Barometric Pressure (inches of Hg)
Start	72	30.8
Stop	75	30.8

INTERIOR TEMPERATURE (F)	
Start	Not Applicable
Stop	Not Applicable

CANISTER PRESSURE (inches of Hg)	
Start	-28
Stop	-2

SAMPLING TIME (24-hour-clock)	
Start	0917
Stop	1146
Total Elapsed Sampling Time: 2 Hours, 29Minutes	

Duane Shinton
Geologist

Accredited Analytical Resources, LLC.

24 October 2013 AAR Work Order: 1301857

Doug Harm
JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York, NY 10038

RE: Crotona Terrace

Enclosed are the results of analyses for samples received by the laboratory on 10/16/2013 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel
Technical Director

New York Certificaton Number 11109

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

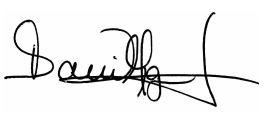
Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1A	1301857-01	Soil	10/15/2013 09:30	10/16/2013 16:00
SB-1B	1301857-02	Soil	10/15/2013 09:45	10/16/2013 16:00
SB-2A	1301857-03	Soil	10/15/2013 10:24	10/16/2013 16:00
SB-2B	1301857-04	Soil	10/15/2013 10:38	10/16/2013 16:00
SB-3A	1301857-05	Soil	10/15/2013 11:31	10/16/2013 16:00
SB-3B	1301857-06	Soil	10/15/2013 11:42	10/16/2013 16:00
SB-4A	1301857-07	Soil	10/15/2013 12:44	10/16/2013 16:00
SB-4B	1301857-08	Soil	10/15/2013 12:50	10/16/2013 16:00

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
E	Concentration exceeds calibration range
D	Data reported from a dilution
B	Indicates compound found in associated blank
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.		
40 Fulton St. 21st Fl.	Project: Crotona Terrace	**Reported:**
New York NY, 10038	Project Manager: Doug Harm	10/24/2013 16:50

Methodology Summary

EPA 6010B

A 1-5 gram portion of soil is digested with nitric acid and hydrogen peroxide. The digestate is then refluxed with either nitric acid or hydrochloric acid. The basis of ICAP method is the measurement of atomic emission by an optical spectroscope technique. The ICAP technique is specified in Method 6010B.

EPA 7471A

The mercury in the sample is reduced to the elemental state and detected by the cold vapor technique in a closed system. The analytical procedure associated with the Cold Vapor technique is derived from EPA Method 7470A.

EPA 8081/8082

A 30g portion of soil is mixed with anhydrous sodium sulfate and is serially extracted with 1:1 methylene chloride and acetone. The extract is dried and solvent/exchanged to hexane during concentration. A measured amount is injected onto a GC and the analytes are detected by an electron capture detector.

EPA 8151

The pH of either solid or aqueous sample is adjusted to <2 with sulfuric acid. The acidified sample is then extracted with ethyl ether for aqueous samples and acetone/ethyl ether for solid samples. The extract is hydrolyzed with the addition of KOH and washed with ethyl ether. After hydrolysis, the sample is acidified to pH <2 and extracted with ethyl ether. The extract is then concentrated to a final concentrated extract of 1.0 ml. The esterified sample extract is analyzed by GC-ECD.

EPA 8260

An inert gas is purged through a 5g sample by EPA Method 5035. Alternatively the soil is extracted with methanol. A portion of extract is spiked into a purging vessel and purged by an inert gas. The vapor is swept through a sorbent column where the purgeables are trapped. The sorbent column is heated and back-flushed with the inert gas to desorb the purgeables onto a GC capillary column. The GC is temperature programmed to separate the purgeables which are then detected with a mass spectrometer

EPA 8270

A 30g portion of soil is mixed with anhydrous sodium sulfate and is extracted with 1:1 methylene chloride and acetone mixture. The methylene chloride extract is dried and concentrated and a measured amount is injected onto a GC and the analytes are detected with a mass spectrometer.

EPA 9014

A representative portion of sample is weighed and placed into a cyanide distillation apparatus. The cyanide as hydrocyanic acid is released from cyanide complexes by means of a reflux-distillation operation and absorbed in a scrubber containing sodium hydroxide solution. The cyanide ion in the absorbing solution is then determined colorimetrically.

SM 2540 G

A representative 5-10 grams of solid sample is placed in a preweighed weighing dish. The sample is dried in an oven at 103-105oC for 12-24 hrs. Alternatively the constant weight of dried sample is attained for the drying period less than 12 hrs. The remaining weight of sample after drying to the original weight expressed in percentage is determined as percent solid.

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1A

Lab ID: 1301857-01 (Soil)

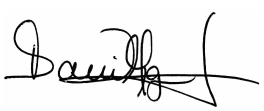
Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	10.9	18.2	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	3.63	18.2	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
67-64-1	**Acetone**	**13.6**	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	B
75-71-8	Dichlorodifluoromethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
76-13-1	Freon 113	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
79-20-9	Methyl Acetate	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
75-09-2	**Methylene Chloride**	**2.51**	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	J
156-60-5	trans-1,2-Dichloroethene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
78-93-3	2-Butanone	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
156-59-4	cis-1,2-Dichloroethene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
110-82-7	Cyclohexane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	9.08	36.3	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1A

Lab ID: 1301857-01 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-06-2	1,2-Dichloroethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
71-43-2	Benzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
108-87-2	Methylcyclohexane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
78-87-5	1,2-Dichloropropane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
108-88-3	**Toluene**	**7.03**	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	
10061-02-6	trans-1,3-Dichloropropene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	3.63	7.27	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	3.63	7.27	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
100-42-5	Styrene	ND	1.82	7.27	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.82	1.82	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1A

Lab ID: 1301857-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
103-65-1	n-Propyl Benzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
108-86-1	Bromobenzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
98-06-6	tert-Butylbenzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
135-98-8	sec-Butylbenzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
99-87-6	p-Isopropyltoluene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.82	3.63	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	3.63	7.27	ug/kg dry	1	10/17/13 13:04	10/17/13 13:04/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*98 %*	*70-121*		*10/17/13 13:04*	*10/17/13 13:04/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*102 %*	*81-117*		*10/17/13 13:04*	*10/17/13 13:04/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*92 %*	*74-121*		*10/17/13 13:04*	*10/17/13 13:04/SCS*	*EPA 8260B*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
108-95-2	Phenol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1A

Lab ID: 1301857-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
106-46-7	1,4-Dichlorobenzene	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
100-51-6	Benzyl alcohol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
106-44-5	3 & 4-Methylphenol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
621-64-7	N-Nitroso-di-n-propylamine	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	93.5	375	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
91-20-3	**Naphthalene**	**90.8**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	J
106-47-8	4-Chloroaniline	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
91-57-6	**2-Methylnaphthylene**	**82.6**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	J
77-47-4	Hexachlorocyclopentadiene	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
88-06-2	2,4,6-Trichlorophenol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
208-96-8	**Acenaphthylene**	**327**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	

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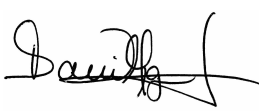

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1A

Lab ID: 1301857-01 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
99-09-2	3-Nitroaniline	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
83-32-9	**Acenaphthene**	**303**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	
51-28-5	2,4-Dinitrophenol	ND	37.5	375	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
132-64-9	**Dibenzofuran**	**225**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	
606-20-2	2,6-Dinitrotoluene	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
121-14-2	2,4-Dinitrotoluene	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
86-73-7	**Fluorene**	**312**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	
100-01-6	4-Nitroaniline	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
85-01-8	**Phenanthrene**	**5370**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	E
120-12-7	**Anthracene**	**1430**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	
84-74-2	Di-n-butyl phthalate	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
206-44-0	**Fluoranthene**	**5270**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	E
129-00-0	**Pyrene**	**20600**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	E
85-68-7	Butylbenzylphthalate	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
91-94-1	3,3'-Dichlorobenzidine	ND	93.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U
56-55-3	**Benzo[a]anthracene**	**5950**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	E
117-81-7	**bis(2-ethylhexyl)phthalate**	**2960**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	
218-01-9	**Chrysene**	**6070**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	E
117-84-0	Di-n-octyl phthalate	ND	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	U

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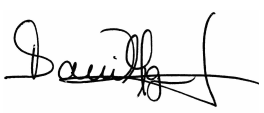

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1A

Lab ID: 1301857-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Semivolatile Organic Compounds EPA Method SW846 8270										
205-99-2	**Benzo[b]fluoranthene**	**9740**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	E
207-08-9	**Benzo[k]fluoranthene**	**6970**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	E
50-32-8	**Benzo[a]pyrene**	**6560**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	E
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2080**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	
53-70-3	**Dibenzo(a,h)anthracene**	**957**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	
191-24-2	**Benzo[ghi]perylene**	**2040**	37.5	188	ug/kg dry	1	10/17/13 09:04	10/21/13 19:27/JMM	EPA 8270C	
Surrogate: 2-Fluorophenol				*75 %*	*25-121*		*10/17/13 09:04*	*10/21/13 19:27/JMM*	*EPA 8270C*	
Surrogate: Phenol-d5				*67 %*	*24-113*		*10/17/13 09:04*	*10/21/13 19:27/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*68 %*	*23-120*		*10/17/13 09:04*	*10/21/13 19:27/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*75 %*	*30-115*		*10/17/13 09:04*	*10/21/13 19:27/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*97 %*	*19-122*		*10/17/13 09:04*	*10/21/13 19:27/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*178 %*	*18-137*		*10/17/13 09:04*	*10/21/13 19:27/JMM*	*EPA 8270C*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.743	0.743	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
319-85-7	beta-BHC	ND	0.743	0.743	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
319-86-8	delta-BHC	ND	0.743	0.743	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.743	0.743	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
76-44-8	Heptachlor	ND	0.743	0.743	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
309-00-2	Aldrin	ND	0.743	0.743	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.743	0.743	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
959-98-8	Endosulfan I	ND	0.743	0.743	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
60-57-1	Dieldrin	ND	1.50	1.50	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
72-55-9	4,4'-DDE	ND	1.50	1.50	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
72-20-8	Endrin	ND	1.50	1.50	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
33213-65-9	Endosulfan II	ND	1.50	1.50	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
72-54-8	4,4'-DDD	ND	1.50	1.50	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U

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Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1A

Lab ID: 1301857-01 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
EPA Method SW846 8081/8082										
1031-07-8	Endosulfan sulfate	ND	1.50	1.50	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
50-29-3	4,4'-DDT	ND	1.50	1.50	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
72-43-5	Methoxychlor	ND	7.50	7.50	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
53494-70-5	Endrin ketone	ND	1.50	1.50	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
7421-93-4	Endrin aldehyde	ND	1.50	1.50	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
5103-71-9	alpha-Chlordane	ND	0.743	0.743	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
5566-34-7	gamma-Chlordane	ND	0.743	0.743	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
8001-35-2	Toxaphene	ND	37.5	37.5	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
12674-11-2	Aroclor-1016	ND	18.7	37.5	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
11104-28-2	Aroclor-1221	ND	18.7	37.5	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
11141-16-5	Aroclor-1232	ND	18.7	37.5	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
53469-21-9	Aroclor-1242	ND	18.7	37.5	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
12672-29-6	Aroclor-1248	ND	18.7	37.5	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
11097-69-1	Aroclor-1254	ND	18.7	37.5	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
11096-82-5	Aroclor-1260	ND	18.7	37.5	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
37324-23-5	Aroclor-1262	ND	18.7	37.5	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
11100-14-4	Aroclor-1268	ND	18.7	37.5	ug/kg dry	1	10/18/13 12:48	10/21/13 17:19/JAM	EPA 8081A/8082	U
Surrogate: Tetrachloro-m-xylene				*57.9 %*	*30-150*		*10/18/13 12:48*	*10/21/13 17:19/JAM*	*EPA 8081A/8082*	
Surrogate: Tetrachloro-m-xylene				*76.4 %*	*30-150*		*10/18/13 12:48*	*10/21/13 17:19/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*120 %*	*30-150*		*10/18/13 12:48*	*10/21/13 17:19/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*124 %*	*30-150*		*10/18/13 12:48*	*10/21/13 17:19/JAM*	*EPA 8081A/8082*	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1A

Lab ID: 1301857-01 (Soil)

Accredited Analytical Resources LLC

Herbicides by EPA Method SW846-8151

Sample Prepared by Method:EPA 8151A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
94-75-7	2,4-D	ND	11.3	11.3	ug/kg dry	1	10/21/13 05:33	10/22/13 14:01/JAM	EPA 8151A	U
93-72-1	2,4,5-TP (Silvex)	ND	1.13	1.13	ug/kg dry	1	10/21/13 05:33	10/22/13 14:01/JAM	EPA 8151A	U
93-76-5	2,4,5-T	ND	11.3	11.3	ug/kg dry	1	10/21/13 05:33	10/22/13 14:01/JAM	EPA 8151A	U
Surrogate: Dicamba				*68.0 %*	*40-150*		*10/21/13 05:33*	*10/22/13 14:01/JAM*	*EPA 8151A*	
Surrogate: Dicamba				*88.8 %*	*40-150*		*10/21/13 05:33*	*10/22/13 14:01/JAM*	*EPA 8151A*	

Total Metals by EPA Method SW846 6010B

Sample Prepared by Method:EPA 3050B

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7429-90-5	**Aluminum**	**9180**	22.5	22.5	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7440-36-0	Antimony	ND	6.76	6.76	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	U
7440-38-2	**Arsenic**	**6.65**	1.13	1.13	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7440-39-3	**Barium**	**168**	22.5	22.5	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7440-41-7	Beryllium	ND	0.563	0.563	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	U
7440-43-9	**Cadmium**	**1.18**	0.563	0.563	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7440-70-2	**Calcium**	**28000**	28.2	28.2	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7440-47-3	**Chromium**	**35.2**	2.25	2.25	mg/kg dry	1	10/17/13 08:25	10/22/13 00:20/LIT	EPA 6010B	
7440-48-4	**Cobalt**	**8.38**	5.63	5.63	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7440-50-8	**Copper**	**102**	3.38	3.38	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7439-89-6	**Iron**	**14500**	28.2	28.2	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7439-92-1	**Lead**	**297**	1.13	1.13	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7439-95-4	**Magnesium**	**4880**	56.3	56.3	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7439-96-5	**Manganese**	**258**	2.25	2.25	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7440-02-0	**Nickel**	**14.0**	4.50	4.50	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7440-09-7	**Potassium**	**1140**	56.3	56.3	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7782-49-2	Selenium	ND	4.50	4.50	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	U
7440-22-4	**Silver**	**1.46**	1.13	1.13	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	

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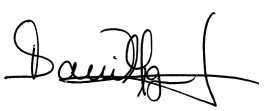

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

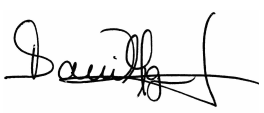
Reported:
10/24/2013 16:50

Client ID: SB-1A

Lab ID: 1301857-01 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010B										
7440-23-5	**Sodium**	**965**	56.3	56.3	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7440-28-0	Thallium	ND	1.69	3.38	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	U
7440-62-2	**Vanadium**	**27.9**	5.63	5.63	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
7440-66-6	**Zinc**	**742**	6.76	6.76	mg/kg dry	1	10/17/13 08:25	10/18/13 14:05/LIT	EPA 6010B	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	**Mercury**	**0.202**	0.0845	0.0845	mg/kg dry	1	10/17/13 08:32	10/17/13 14:51/STM	EPA 7471A	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.13	1.13	mg/kg dry	1	10/17/13 10:43	10/17/13 16:58/JAD	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**88.8**	0.100	0.100	%	1	10/18/13 14:02	10/18/13 14:04/CMD	SM 2540 G	

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1A

Lab ID: 1301857-01RE1 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method:EPA 3550B GCMS

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
62-75-9	N-Nitrosodimethylamine	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
108-95-2	Phenol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
106-46-7	1,4-Dichlorobenzene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
100-51-6	Benzyl alcohol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
106-44-5	3 & 4-Methylphenol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
621-64-7	N-Nitroso-di-n-propylamine	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	935	3750	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
91-20-3	Naphthalene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
106-47-8	4-Chloroaniline	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
91-57-6	2-Methylnaphthylene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
77-47-4	Hexachlorocyclopentadiene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U

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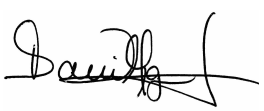

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1A

Lab ID: 1301857-01RE1 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
88-06-2	2,4,6-Trichlorophenol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
208-96-8	Acenaphthylene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
99-09-2	3-Nitroaniline	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
83-32-9	Acenaphthene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
51-28-5	2,4-Dinitrophenol	ND	375	3750	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
132-64-9	Dibenzofuran	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
606-20-2	2,6-Dinitrotoluene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
121-14-2	2,4-Dinitrotoluene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
86-73-7	Fluorene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
100-01-6	4-Nitroaniline	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
85-01-8	**Phenanthrene**	**4850**	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	D
120-12-7	**Anthracene**	**1130**	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	J, D
84-74-2	Di-n-butyl phthalate	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
206-44-0	**Fluoranthene**	**10300**	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	D
129-00-0	**Pyrene**	**9300**	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	D
85-68-7	Butylbenzylphthalate	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U

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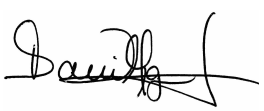

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1A

Lab ID: 1301857-01RE1 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
91-94-1	3,3'-Dichlorobenzidine	ND	935	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
56-55-3	**Benzo[a]anthracene**	**5320**	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	D
117-81-7	**bis(2-ethylhexyl)phthalate**	**1130**	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	J, D
218-01-9	**Chrysene**	**5310**	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	D
117-84-0	Di-n-octyl phthalate	ND	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	U
205-99-2	**Benzo[b]fluoranthene**	**7350**	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	D
207-08-9	**Benzo[k]fluoranthene**	**4730**	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	D
50-32-8	**Benzo[a]pyrene**	**5120**	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	D
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1420**	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	D, J
53-70-3	**Dibenzo(a,h)anthracene**	**713**	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	J, D
191-24-2	**Benzo[ghi]perylene**	**1220**	375	1880	ug/kg dry	10	10/17/13 09:04	10/23/13 23:44/JMM	EPA 8270C	J, D
Surrogate: 2-Fluorophenol				*65 %*	*25-121*		*10/17/13 09:04*	*10/23/13 23:44/JMM*	*EPA 8270C*	
Surrogate: Phenol-d5				*64 %*	*24-113*		*10/17/13 09:04*	*10/23/13 23:44/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*59 %*	*23-120*		*10/17/13 09:04*	*10/23/13 23:44/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*60 %*	*30-115*		*10/17/13 09:04*	*10/23/13 23:44/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*81 %*	*19-122*		*10/17/13 09:04*	*10/23/13 23:44/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*62 %*	*18-137*		*10/17/13 09:04*	*10/23/13 23:44/JMM*	*EPA 8270C*	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1B

Lab ID: 1301857-02 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	8.66	14.4	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	2.89	14.4	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
67-64-1	**Acetone**	**96.0**	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	B
75-71-8	Dichlorodifluoromethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
76-13-1	Freon 113	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
79-20-9	Methyl Acetate	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
75-09-2	Methylene Chloride	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
156-60-5	trans-1,2-Dichloroethene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
78-93-3	**2-Butanone**	**28.3**	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	
156-59-4	cis-1,2-Dichloroethene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
110-82-7	Cyclohexane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	7.22	28.9	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U

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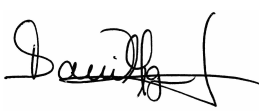

Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1B

Lab ID: 1301857-02 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-06-2	1,2-Dichloroethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
71-43-2	Benzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
108-87-2	Methylcyclohexane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
78-87-5	1,2-Dichloropropane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
108-88-3	**Toluene**	**2.40**	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	J
10061-02-6	trans-1,3-Dichloropropene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	2.89	5.77	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	2.89	5.77	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
100-42-5	Styrene	ND	1.44	5.77	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.44	1.44	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1B

Lab ID: 1301857-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
103-65-1	n-Propyl Benzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
108-86-1	Bromobenzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
98-06-6	tert-Butylbenzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
135-98-8	sec-Butylbenzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
99-87-6	p-Isopropyltoluene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.44	2.89	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	2.89	5.77	ug/kg dry	1	10/17/13 13:37	10/17/13 13:37/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*103 %*	*70-121*		*10/17/13 13:37*	*10/17/13 13:37/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*105 %*	*81-117*		*10/17/13 13:37*	*10/17/13 13:37/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*97 %*	*74-121*		*10/17/13 13:37*	*10/17/13 13:37/SCS*	*EPA 8260B*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
108-95-2	Phenol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1B

Lab ID: 1301857-02 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
106-46-7	1,4-Dichlorobenzene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
100-51-6	Benzyl alcohol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
106-44-5	3 & 4-Methylphenol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
621-64-7	N-Nitroso-di-n-propylamine	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	98.2	394	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
91-20-3	Naphthalene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
106-47-8	4-Chloroaniline	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
91-57-6	2-Methylnaphthylene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
77-47-4	Hexachlorocyclopentadiene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
88-06-2	2,4,6-Trichlorophenol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
208-96-8	Acenaphthylene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
99-09-2	3-Nitroaniline	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U

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Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1B

Lab ID: 1301857-02 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
83-32-9	Acenaphthene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
51-28-5	2,4-Dinitrophenol	ND	39.4	394	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
132-64-9	Dibenzofuran	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
606-20-2	2,6-Dinitrotoluene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
121-14-2	2,4-Dinitrotoluene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
86-73-7	Fluorene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
100-01-6	4-Nitroaniline	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
85-01-8	Phenanthrene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
120-12-7	Anthracene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
84-74-2	Di-n-butyl phthalate	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
206-44-0	Fluoranthene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
129-00-0	Pyrene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
85-68-7	Butylbenzylphthalate	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
91-94-1	3,3'-Dichlorobenzidine	ND	98.2	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
56-55-3	Benzo[a]anthracene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
117-81-7	**bis(2-ethylhexyl)phthalate**	**279**	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	
218-01-9	Chrysene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
117-84-0	Di-n-octyl phthalate	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
205-99-2	Benzo[b]fluoranthene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
207-08-9	Benzo[k]fluoranthene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U

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Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1B

Lab ID: 1301857-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Semivolatile Organic Compounds EPA Method SW846 8270										
50-32-8	Benzo[a]pyrene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
53-70-3	Dibenzo(a,h)anthracene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
191-24-2	Benzo[ghi]perylene	ND	39.4	198	ug/kg dry	1	10/17/13 09:04	10/18/13 18:06/JMM	EPA 8270C	U
Surrogate: 2-Fluorophenol				*49 %*	*25-121*		*10/17/13 09:04*	*10/18/13 18:06/JMM*	*EPA 8270C*	
Surrogate: Phenol-d5				*70 %*	*24-113*		*10/17/13 09:04*	*10/18/13 18:06/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*80 %*	*23-120*		*10/17/13 09:04*	*10/18/13 18:06/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*83 %*	*30-115*		*10/17/13 09:04*	*10/18/13 18:06/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*17 %*	*19-122*		*10/17/13 09:04*	*10/18/13 18:06/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*90 %*	*18-137*		*10/17/13 09:04*	*10/18/13 18:06/JMM*	*EPA 8270C*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.781	0.781	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
319-85-7	beta-BHC	ND	0.781	0.781	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
319-86-8	delta-BHC	ND	0.781	0.781	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.781	0.781	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
76-44-8	Heptachlor	ND	0.781	0.781	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
309-00-2	Aldrin	ND	0.781	0.781	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.781	0.781	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
959-98-8	Endosulfan I	ND	0.781	0.781	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
60-57-1	Dieldrin	ND	1.57	1.57	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
72-55-9	4,4'-DDE	ND	1.57	1.57	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
72-20-8	Endrin	ND	1.57	1.57	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
33213-65-9	Endosulfan II	ND	1.57	1.57	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
72-54-8	4,4'-DDD	ND	1.57	1.57	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
1031-07-8	Endosulfan sulfate	ND	1.57	1.57	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
50-29-3	4,4'-DDT	ND	1.57	1.57	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
72-43-5	Methoxychlor	ND	7.88	7.88	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1B

Lab ID: 1301857-02 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
EPA Method SW846 8081/8082										
53494-70-5	Endrin ketone	ND	1.57	1.57	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
7421-93-4	Endrin aldehyde	ND	1.57	1.57	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
5103-71-9	alpha-Chlordane	ND	0.781	0.781	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
5566-34-7	gamma-Chlordane	ND	0.781	0.781	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
8001-35-2	Toxaphene	ND	39.4	39.4	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
12674-11-2	Aroclor-1016	ND	19.6	39.4	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
11104-28-2	Aroclor-1221	ND	19.6	39.4	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
11141-16-5	Aroclor-1232	ND	19.6	39.4	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
53469-21-9	Aroclor-1242	ND	19.6	39.4	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
12672-29-6	Aroclor-1248	ND	19.6	39.4	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
11097-69-1	Aroclor-1254	ND	19.6	39.4	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
11096-82-5	Aroclor-1260	ND	19.6	39.4	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
37324-23-5	Aroclor-1262	ND	19.6	39.4	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
11100-14-4	Aroclor-1268	ND	19.6	39.4	ug/kg dry	1	10/18/13 12:48	10/21/13 17:53/JAM	EPA 8081A/8082	U
Surrogate: Tetrachloro-m-xylene				*109 %*	*30-150*		*10/18/13 12:48*	*10/21/13 17:53/JAM*	*EPA 8081A/8082*	
Surrogate: Tetrachloro-m-xylene				*88.6 %*	*30-150*		*10/18/13 12:48*	*10/21/13 17:53/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*96.0 %*	*30-150*		*10/18/13 12:48*	*10/21/13 17:53/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*105 %*	*30-150*		*10/18/13 12:48*	*10/21/13 17:53/JAM*	*EPA 8081A/8082*	

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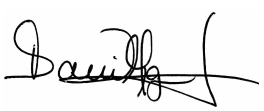

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1B

Lab ID: 1301857-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Herbicides by EPA Method SW846-8151										
Sample Prepared by Method:EPA 8151A										
94-75-7	2,4-D	ND	11.8	11.8	ug/kg dry	1	10/21/13 05:33	10/22/13 14:25/JAM	EPA 8151A	U
93-72-1	2,4,5-TP (Silvex)	ND	1.18	1.18	ug/kg dry	1	10/21/13 05:33	10/22/13 14:25/JAM	EPA 8151A	U
93-76-5	2,4,5-T	ND	11.8	11.8	ug/kg dry	1	10/21/13 05:33	10/22/13 14:25/JAM	EPA 8151A	U
Surrogate: Dicamba				*123 %*	*40-150*		*10/21/13 05:33*	*10/22/13 14:25/JAM*	*EPA 8151A*	
Surrogate: Dicamba				*142 %*	*40-150*		*10/21/13 05:33*	*10/22/13 14:25/JAM*	*EPA 8151A*	
Total Metals by EPA Method SW846 6010B										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**11900**	23.7	23.7	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7440-36-0	Antimony	ND	7.10	7.10	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	U
7440-38-2	**Arsenic**	**2.74**	1.18	1.18	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7440-39-3	**Barium**	**98.7**	23.7	23.7	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7440-41-7	Beryllium	ND	0.592	0.592	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	U
7440-43-9	**Cadmium**	**0.594**	0.592	0.592	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7440-70-2	**Calcium**	**34300**	29.6	29.6	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7440-47-3	**Chromium**	**27.6**	2.37	2.37	mg/kg dry	1	10/17/13 08:25	10/22/13 00:38/LIT	EPA 6010B	
7440-48-4	**Cobalt**	**6.02**	5.92	5.92	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7440-50-8	**Copper**	**19.0**	3.55	3.55	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7439-89-6	**Iron**	**13300**	29.6	29.6	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7439-92-1	**Lead**	**24.2**	1.18	1.18	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7439-95-4	**Magnesium**	**4790**	59.2	59.2	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7439-96-5	**Manganese**	**191**	2.37	2.37	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7440-02-0	**Nickel**	**12.4**	4.73	4.73	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7440-09-7	**Potassium**	**1370**	59.2	59.2	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7782-49-2	Selenium	ND	4.73	4.73	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	U
7440-22-4	Silver	ND	1.18	1.18	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-1B

Lab ID: 1301857-02 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010B										
7440-23-5	**Sodium**	**318**	59.2	59.2	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7440-28-0	Thallium	ND	1.78	3.55	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	U
7440-62-2	**Vanadium**	**23.6**	5.92	5.92	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
7440-66-6	**Zinc**	**29.4**	7.10	7.10	mg/kg dry	1	10/17/13 08:25	10/18/13 14:10/LIT	EPA 6010B	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	**Mercury**	**0.0911**	0.0888	0.0888	mg/kg dry	1	10/17/13 08:32	10/17/13 14:53/STM	EPA 7471A	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.18	1.18	mg/kg dry	1	10/17/13 10:43	10/17/13 16:58/JAD	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**84.5**	0.100	0.100	%	1	10/18/13 14:02	10/18/13 14:04/CMD	SM 2540 G	

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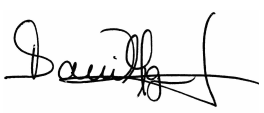

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

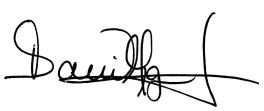
Reported:
10/24/2013 16:50

Client ID: SB-2A

Lab ID: 1301857-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
Sample Prepared by Method:EPA 5035A										
107-02-8	Acrolein	ND	9.77	16.3	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	3.26	16.3	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
67-64-1	**Acetone**	**8.51**	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	B
75-71-8	Dichlorodifluoromethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
76-13-1	Freon 113	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
79-20-9	Methyl Acetate	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
75-09-2	Methylene Chloride	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
156-60-5	trans-1,2-Dichloroethene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
78-93-3	2-Butanone	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
156-59-4	cis-1,2-Dichloroethene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
110-82-7	Cyclohexane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	8.14	32.6	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U

Accredited Analytical Resources LLC



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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2A

Lab ID: 1301857-03 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-06-2	1,2-Dichloroethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
71-43-2	Benzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
108-87-2	Methylcyclohexane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
78-87-5	1,2-Dichloropropane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
108-88-3	**Toluene**	**28.3**	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	
10061-02-6	trans-1,3-Dichloropropene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	3.26	6.51	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	3.26	6.51	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
100-42-5	Styrene	ND	1.63	6.51	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.63	1.63	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2A

Lab ID: 1301857-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Volatile Organic Compounds EPA Method SW846 8260										
103-65-1	n-Propyl Benzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
108-86-1	Bromobenzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
98-06-6	tert-Butylbenzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
135-98-8	sec-Butylbenzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
99-87-6	p-Isopropyltoluene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.63	3.26	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	3.26	6.51	ug/kg dry	1	10/18/13 15:18	10/18/13 15:18/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*112 %*	*70-121*		*10/18/13 15:18*	*10/18/13 15:18/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*101 %*	*81-117*		*10/18/13 15:18*	*10/18/13 15:18/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*84 %*	*74-121*		*10/18/13 15:18*	*10/18/13 15:18/SCS*	*EPA 8260B*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
108-95-2	Phenol	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2A

Lab ID: 1301857-03 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
106-46-7	1,4-Dichlorobenzene	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
100-51-6	Benzyl alcohol	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
106-44-5	**3 & 4-Methylphenol**	**45.5**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	J
621-64-7	N-Nitroso-di-n-propylamine	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	86.5	347	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
91-20-3	**Naphthalene**	**224**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	
106-47-8	4-Chloroaniline	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
91-57-6	**2-Methylnaphthylene**	**124**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	J
77-47-4	Hexachlorocyclopentadiene	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
88-06-2	2,4,6-Trichlorophenol	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
208-96-8	**Acenaphthylene**	**643**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	

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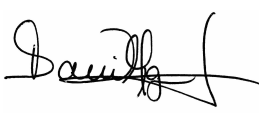

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2A

Lab ID: 1301857-03 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
99-09-2	3-Nitroaniline	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
83-32-9	**Acenaphthene**	**550**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	
51-28-5	2,4-Dinitrophenol	ND	34.7	347	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
132-64-9	**Dibenzofuran**	**289**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	
606-20-2	2,6-Dinitrotoluene	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
121-14-2	2,4-Dinitrotoluene	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
86-73-7	**Fluorene**	**684**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	
100-01-6	4-Nitroaniline	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
85-01-8	**Phenanthrene**	**7610**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	E
120-12-7	**Anthracene**	**1980**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	
84-74-2	Di-n-butyl phthalate	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
206-44-0	**Fluoranthene**	**10100**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	E
129-00-0	**Pyrene**	**28600**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	E
85-68-7	**Butylbenzylphthalate**	**461**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	
91-94-1	3,3'-Dichlorobenzidine	ND	86.5	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U
56-55-3	**Benzo[a]anthracene**	**9320**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	E
117-81-7	**bis(2-ethylhexyl)phthalate**	**955**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	
218-01-9	**Chrysene**	**9740**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	E
117-84-0	Di-n-octyl phthalate	ND	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	U

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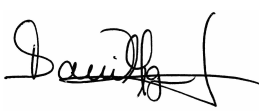

Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2A

Lab ID: 1301857-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
205-99-2	**Benzo[b]fluoranthene**	**13400**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	E
207-08-9	**Benzo[k]fluoranthene**	**9330**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	E
50-32-8	**Benzo[a]pyrene**	**9480**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	E
193-39-5	**Indeno(1,2,3-cd)pyrene**	**3660**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	
53-70-3	**Dibenzo(a,h)anthracene**	**1800**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	
191-24-2	**Benzo[ghi]perylene**	**4040**	34.7	174	ug/kg dry	1	10/17/13 09:04	10/18/13 20:26/JMM	EPA 8270C	
Surrogate: 2-Fluorophenol				*80 %*	*25-121*		*10/17/13 09:04*	*10/18/13 20:26/JMM*	*EPA 8270C*	
Surrogate: Phenol-d5				*73 %*	*24-113*		*10/17/13 09:04*	*10/18/13 20:26/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*70 %*	*23-120*		*10/17/13 09:04*	*10/18/13 20:26/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*73 %*	*30-115*		*10/17/13 09:04*	*10/18/13 20:26/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*91 %*	*19-122*		*10/17/13 09:04*	*10/18/13 20:26/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*155 %*	*18-137*		*10/17/13 09:04*	*10/18/13 20:26/JMM*	*EPA 8270C*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.688	0.688	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
319-85-7	beta-BHC	ND	0.688	0.688	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
319-86-8	delta-BHC	ND	0.688	0.688	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.688	0.688	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
76-44-8	Heptachlor	ND	0.688	0.688	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
309-00-2	Aldrin	ND	0.688	0.688	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.688	0.688	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
959-98-8	Endosulfan I	ND	0.688	0.688	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
60-57-1	Dieldrin	ND	1.39	1.39	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
72-55-9	4,4'-DDE	ND	1.39	1.39	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
72-20-8	Endrin	ND	1.39	1.39	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
33213-65-9	Endosulfan II	ND	1.39	1.39	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
72-54-8	4,4'-DDD	ND	1.39	1.39	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2A

Lab ID: 1301857-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
EPA Method SW846 8081/8082										
1031-07-8	Endosulfan sulfate	ND	1.39	1.39	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
50-29-3	4,4'-DDT	ND	1.39	1.39	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
72-43-5	Methoxychlor	ND	6.94	6.94	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
53494-70-5	Endrin ketone	ND	1.39	1.39	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
7421-93-4	Endrin aldehyde	ND	1.39	1.39	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
5103-71-9	alpha-Chlordane	ND	0.688	0.688	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
5566-34-7	gamma-Chlordane	ND	0.688	0.688	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
8001-35-2	Toxaphene	ND	34.7	34.7	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
12674-11-2	Aroclor-1016	ND	17.3	34.7	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
11104-28-2	Aroclor-1221	ND	17.3	34.7	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
11141-16-5	Aroclor-1232	ND	17.3	34.7	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
53469-21-9	Aroclor-1242	ND	17.3	34.7	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
12672-29-6	Aroclor-1248	ND	17.3	34.7	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
11097-69-1	Aroclor-1254	ND	17.3	34.7	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
11096-82-5	Aroclor-1260	ND	17.3	34.7	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
37324-23-5	Aroclor-1262	ND	17.3	34.7	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
11100-14-4	Aroclor-1268	ND	17.3	34.7	ug/kg dry	1	10/18/13 12:48	10/21/13 18:26/JAM	EPA 8081A/8082	U
Surrogate: Tetrachloro-m-xylene				*68.4 %*	*30-150*		*10/18/13 12:48*	*10/21/13 18:26/JAM*	*EPA 8081A/8082*	
Surrogate: Tetrachloro-m-xylene				*98.6 %*	*30-150*		*10/18/13 12:48*	*10/21/13 18:26/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*93.9 %*	*30-150*		*10/18/13 12:48*	*10/21/13 18:26/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*122 %*	*30-150*		*10/18/13 12:48*	*10/21/13 18:26/JAM*	*EPA 8081A/8082*	

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2A

Lab ID: 1301857-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Herbicides by EPA Method SW846-8151										
Sample Prepared by Method:EPA 8151A										
94-75-7	2,4-D	ND	10.4	10.4	ug/kg dry	1	10/21/13 05:33	10/22/13 14:48/JAM	EPA 8151A	U
93-72-1	2,4,5-TP (Silvex)	ND	1.04	1.04	ug/kg dry	1	10/21/13 05:33	10/22/13 14:48/JAM	EPA 8151A	U
93-76-5	2,4,5-T	ND	10.4	10.4	ug/kg dry	1	10/21/13 05:33	10/22/13 14:48/JAM	EPA 8151A	U
Surrogate: Dicamba				*64.0 %*	*40-150*		*10/21/13 05:33*	*10/22/13 14:48/JAM*	*EPA 8151A*	
Surrogate: Dicamba				*78.4 %*	*40-150*		*10/21/13 05:33*	*10/22/13 14:48/JAM*	*EPA 8151A*	
Total Metals by EPA Method SW846 6010B										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**8290**	20.8	20.8	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7440-36-0	Antimony	ND	6.25	6.25	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	U
7440-38-2	**Arsenic**	**5.97**	1.04	1.04	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7440-39-3	**Barium**	**358**	20.8	20.8	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7440-41-7	Beryllium	ND	0.521	0.521	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	U
7440-43-9	**Cadmium**	**1.31**	0.521	0.521	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7440-70-2	**Calcium**	**22300**	26.0	26.0	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7440-47-3	**Chromium**	**34.2**	2.08	2.08	mg/kg dry	1	10/17/13 08:25	10/22/13 00:44/LIT	EPA 6010B	
7440-48-4	**Cobalt**	**7.78**	5.21	5.21	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7440-50-8	**Copper**	**93.9**	3.12	3.12	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7439-89-6	**Iron**	**15400**	26.0	26.0	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7439-92-1	**Lead**	**312**	1.04	1.04	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7439-95-4	**Magnesium**	**5540**	52.1	52.1	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7439-96-5	**Manganese**	**269**	2.08	2.08	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7440-02-0	**Nickel**	**17.1**	4.17	4.17	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7440-09-7	**Potassium**	**1970**	52.1	52.1	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7782-49-2	Selenium	ND	4.17	4.17	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	U
7440-22-4	**Silver**	**1.69**	1.04	1.04	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	

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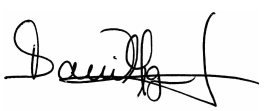

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2A

Lab ID: 1301857-03 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010B										
7440-23-5	**Sodium**	**446**	52.1	52.1	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7440-28-0	Thallium	ND	1.56	3.12	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	U
7440-62-2	**Vanadium**	**25.0**	5.21	5.21	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
7440-66-6	**Zinc**	**535**	6.25	6.25	mg/kg dry	1	10/17/13 08:25	10/18/13 14:15/LIT	EPA 6010B	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	**Mercury**	**0.430**	0.0781	0.0781	mg/kg dry	1	10/17/13 08:32	10/17/13 14:55/STM	EPA 7471A	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.04	1.04	mg/kg dry	1	10/17/13 10:43	10/17/13 16:58/JAD	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**96.0**	0.100	0.100	%	1	10/18/13 14:02	10/18/13 14:04/CMD	SM 2540 G	

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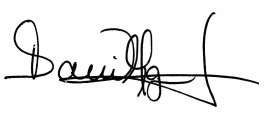

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2A

Lab ID: 1301857-03RE1 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method:EPA 3550B GCMS

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
62-75-9	N-Nitrosodimethylamine	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
108-95-2	Phenol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
106-46-7	1,4-Dichlorobenzene	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
100-51-6	Benzyl alcohol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
106-44-5	3 & 4-Methylphenol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
621-64-7	N-Nitroso-di-n-propylamine	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	865	3470	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
91-20-3	Naphthalene	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
106-47-8	4-Chloroaniline	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
91-57-6	2-Methylnaphthylene	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
77-47-4	Hexachlorocyclopentadiene	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U

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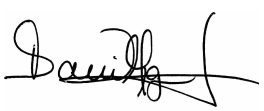

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40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2A

Lab ID: 1301857-03RE1 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
88-06-2	2,4,6-Trichlorophenol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
208-96-8	**Acenaphthylene**	**490**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	J, D
99-09-2	3-Nitroaniline	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
83-32-9	**Acenaphthene**	**389**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	J, D
51-28-5	2,4-Dinitrophenol	ND	347	3470	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
132-64-9	Dibenzofuran	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
606-20-2	2,6-Dinitrotoluene	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
121-14-2	2,4-Dinitrotoluene	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
86-73-7	**Fluorene**	**458**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	D, J
100-01-6	4-Nitroaniline	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
85-01-8	**Phenanthrene**	**7160**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	D
120-12-7	**Anthracene**	**1620**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	J, D
84-74-2	Di-n-butyl phthalate	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
206-44-0	**Fluoranthene**	**14900**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	D
129-00-0	**Pyrene**	**15600**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	D
85-68-7	Butylbenzylphthalate	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U

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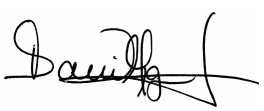

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2A

Lab ID: 1301857-03RE1 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Semivolatile Organic Compounds EPA Method SW846 8270										
91-94-1	3,3'-Dichlorobenzidine	ND	865	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
56-55-3	**Benzo[a]anthracene**	**7770**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	D
117-81-7	bis(2-ethylhexyl)phthalate	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
218-01-9	**Chrysene**	**8530**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	D
117-84-0	Di-n-octyl phthalate	ND	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	U
205-99-2	**Benzo[b]fluoranthene**	**9040**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	D
207-08-9	**Benzo[k]fluoranthene**	**6750**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	D
50-32-8	**Benzo[a]pyrene**	**7660**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	D
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2630**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	D
53-70-3	**Dibenzo(a,h)anthracene**	**1250**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	J, D
191-24-2	**Benzo[ghi]perylene**	**2430**	347	1740	ug/kg dry	10	10/17/13 09:04	10/21/13 16:24/JMM	EPA 8270C	D
Surrogate: 2-Fluorophenol				*62 %*	*25-121*		*10/17/13 09:04*	*10/21/13 16:24/JMM*	*EPA 8270C*	
Surrogate: Phenol-d5				*60 %*	*24-113*		*10/17/13 09:04*	*10/21/13 16:24/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*60 %*	*23-120*		*10/17/13 09:04*	*10/21/13 16:24/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*59 %*	*30-115*		*10/17/13 09:04*	*10/21/13 16:24/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*70 %*	*19-122*		*10/17/13 09:04*	*10/21/13 16:24/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*55 %*	*18-137*		*10/17/13 09:04*	*10/21/13 16:24/JMM*	*EPA 8270C*	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2B

Lab ID: 1301857-04 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	7.70	12.8	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	2.57	12.8	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
67-64-1	**Acetone**	**5.38**	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	B
75-71-8	Dichlorodifluoromethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
76-13-1	Freon 113	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
79-20-9	Methyl Acetate	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
75-09-2	Methylene Chloride	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
156-60-5	trans-1,2-Dichloroethene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
78-93-3	2-Butanone	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
156-59-4	cis-1,2-Dichloroethene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
110-82-7	Cyclohexane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	6.42	25.7	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U

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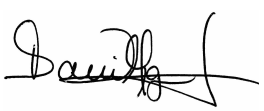

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2B

Lab ID: 1301857-04 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-06-2	1,2-Dichloroethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
71-43-2	Benzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
108-87-2	Methylcyclohexane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
78-87-5	1,2-Dichloropropane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
108-88-3	Toluene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	2.57	5.13	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	2.57	5.13	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
100-42-5	Styrene	ND	1.28	5.13	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.28	1.28	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
103-65-1	n-Propyl Benzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U

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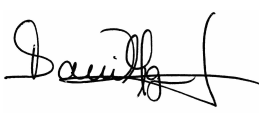

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2B

Lab ID: 1301857-04 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Volatile Organic Compounds EPA Method SW846 8260										
108-86-1	Bromobenzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
98-06-6	tert-Butylbenzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
135-98-8	sec-Butylbenzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
99-87-6	p-Isopropyltoluene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.28	2.57	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	2.57	5.13	ug/kg dry	1	10/18/13 15:50	10/18/13 15:50/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*115 %*	*70-121*		*10/18/13 15:50*	*10/18/13 15:50/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*97 %*	*81-117*		*10/18/13 15:50*	*10/18/13 15:50/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*84 %*	*74-121*		*10/18/13 15:50*	*10/18/13 15:50/SCS*	*EPA 8260B*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
108-95-2	Phenol	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
106-46-7	1,4-Dichlorobenzene	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U

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Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2B

Lab ID: 1301857-04 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
100-51-6	Benzyl alcohol	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
106-44-5	**3 & 4-Methylphenol**	**40.4**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	J
621-64-7	N-Nitroso-di-n-propylamine	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	85.2	342	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
91-20-3	**Naphthalene**	**189**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	
106-47-8	4-Chloroaniline	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
91-57-6	**2-Methylnaphthylene**	**119**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	J
77-47-4	Hexachlorocyclopentadiene	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
88-06-2	2,4,6-Trichlorophenol	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
208-96-8	**Acenaphthylene**	**984**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	
99-09-2	3-Nitroaniline	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2B

Lab ID: 1301857-04 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
83-32-9	**Acenaphthene**	**696**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	
51-28-5	2,4-Dinitrophenol	ND	34.2	342	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
132-64-9	**Dibenzofuran**	**328**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	
606-20-2	2,6-Dinitrotoluene	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
121-14-2	2,4-Dinitrotoluene	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
86-73-7	**Fluorene**	**705**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	
100-01-6	4-Nitroaniline	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
85-01-8	**Phenanthrene**	**8150**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	E
120-12-7	**Anthracene**	**2030**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	
84-74-2	**Di-n-butyl phthalate**	**37.6**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	J
206-44-0	**Fluoranthene**	**8590**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	E
129-00-0	**Pyrene**	**42300**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	E
85-68-7	**Butylbenzylphthalate**	**106**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	J
91-94-1	3,3'-Dichlorobenzidine	ND	85.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
56-55-3	**Benzo[a]anthracene**	**10400**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	E
117-81-7	**bis(2-ethylhexyl)phthalate**	**477**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	
218-01-9	**Chrysene**	**11200**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	E
117-84-0	Di-n-octyl phthalate	ND	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	U
205-99-2	**Benzo[b]fluoranthene**	**13000**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	E

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2B

Lab ID: 1301857-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Semivolatile Organic Compounds EPA Method SW846 8270										
207-08-9	**Benzo[k]fluoranthene**	**9490**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	E
50-32-8	**Benzo[a]pyrene**	**10300**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	E
193-39-5	**Indeno(1,2,3-cd)pyrene**	**5740**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	E
53-70-3	**Dibenzo(a,h)anthracene**	**2880**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	
191-24-2	**Benzo[ghi]perylene**	**6810**	34.2	171	ug/kg dry	1	10/17/13 09:04	10/18/13 22:12/JMM	EPA 8270C	E
Surrogate: 2-Fluorophenol				*84 %*	*25-121*		*10/17/13 09:04*	*10/18/13 22:12/JMM*	*EPA 8270C*	
Surrogate: Phenol-d5				*74 %*	*24-113*		*10/17/13 09:04*	*10/18/13 22:12/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*71 %*	*23-120*		*10/17/13 09:04*	*10/18/13 22:12/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*78 %*	*30-115*		*10/17/13 09:04*	*10/18/13 22:12/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*87 %*	*19-122*		*10/17/13 09:04*	*10/18/13 22:12/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*228 %*	*18-137*		*10/17/13 09:04*	*10/18/13 22:12/JMM*	*EPA 8270C*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.678	0.678	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
319-85-7	beta-BHC	ND	0.678	0.678	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
319-86-8	delta-BHC	ND	0.678	0.678	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.678	0.678	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
76-44-8	Heptachlor	ND	0.678	0.678	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
309-00-2	Aldrin	ND	0.678	0.678	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.678	0.678	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
959-98-8	Endosulfan I	ND	0.678	0.678	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
60-57-1	Dieldrin	ND	1.37	1.37	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
72-55-9	**4,4'-DDE**	**45.6**	1.37	1.37	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	
72-20-8	Endrin	ND	1.37	1.37	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
33213-65-9	Endosulfan II	ND	1.37	1.37	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
72-54-8	**4,4'-DDD**	**43.8**	1.37	1.37	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	
1031-07-8	Endosulfan sulfate	ND	1.37	1.37	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U

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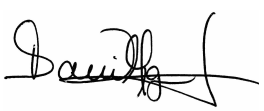

Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2B

Lab ID: 1301857-04 (Soil)

Accredited Analytical Resources LLC

EPA Method SW846 8081/8082

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
50-29-3	**4,4'-DDT**	**151**	1.37	1.37	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	E
72-43-5	Methoxychlor	ND	6.84	6.84	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
53494-70-5	Endrin ketone	ND	1.37	1.37	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
7421-93-4	Endrin aldehyde	ND	1.37	1.37	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
5103-71-9	alpha-Chlordane	ND	0.678	0.678	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
5566-34-7	gamma-Chlordane	ND	0.678	0.678	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
8001-35-2	Toxaphene	ND	34.2	34.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
12674-11-2	Aroclor-1016	ND	17.0	34.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
11104-28-2	Aroclor-1221	ND	17.0	34.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
11141-16-5	Aroclor-1232	ND	17.0	34.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
53469-21-9	Aroclor-1242	ND	17.0	34.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
12672-29-6	Aroclor-1248	ND	17.0	34.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
11097-69-1	Aroclor-1254	ND	17.0	34.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
11096-82-5	Aroclor-1260	ND	17.0	34.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
37324-23-5	Aroclor-1262	ND	17.0	34.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
11100-14-4	Aroclor-1268	ND	17.0	34.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:01/JAM	EPA 8081A/8082	U
Surrogate: Tetrachloro-m-xylene				*62.5 %*	*30-150*		*10/18/13 12:48*	*10/21/13 19:01/JAM*	*EPA 8081A/8082*	
Surrogate: Tetrachloro-m-xylene				*78.6 %*	*30-150*		*10/18/13 12:48*	*10/21/13 19:01/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*123 %*	*30-150*		*10/18/13 12:48*	*10/21/13 19:01/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*122 %*	*30-150*		*10/18/13 12:48*	*10/21/13 19:01/JAM*	*EPA 8081A/8082*	

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40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2B

Lab ID: 1301857-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Herbicides by EPA Method SW846-8151										
Sample Prepared by Method:EPA 8151A										
94-75-7	2,4-D	ND	10.3	10.3	ug/kg dry	1	10/21/13 05:33	10/22/13 15:11/JAM	EPA 8151A	U
93-72-1	2,4,5-TP (Silvex)	ND	1.03	1.03	ug/kg dry	1	10/21/13 05:33	10/22/13 15:11/JAM	EPA 8151A	U
93-76-5	2,4,5-T	ND	10.3	10.3	ug/kg dry	1	10/21/13 05:33	10/22/13 15:11/JAM	EPA 8151A	U
Surrogate: Dicamba				*61.6 %*	*40-150*		*10/21/13 05:33*	*10/22/13 15:11/JAM*	*EPA 8151A*	
Surrogate: Dicamba				*110 %*	*40-150*		*10/21/13 05:33*	*10/22/13 15:11/JAM*	*EPA 8151A*	
Total Metals by EPA Method SW846 6010B										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**5800**	20.5	20.5	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7440-36-0	Antimony	ND	6.16	6.16	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	U
7440-38-2	**Arsenic**	**4.62**	1.03	1.03	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7440-39-3	**Barium**	**807**	20.5	20.5	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7440-41-7	Beryllium	ND	0.513	0.513	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	U
7440-43-9	**Cadmium**	**0.947**	0.513	0.513	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7440-70-2	**Calcium**	**42200**	642	642	mg/kg dry	25	10/17/13 08:25	10/18/13 14:49/LIT	EPA 6010B	D
7440-47-3	**Chromium**	**18.4**	2.05	2.05	mg/kg dry	1	10/17/13 08:25	10/22/13 00:50/LIT	EPA 6010B	
7440-48-4	**Cobalt**	**6.49**	5.13	5.13	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7440-50-8	**Copper**	**26.1**	3.08	3.08	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7439-89-6	**Iron**	**11300**	25.7	25.7	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7439-92-1	**Lead**	**204**	1.03	1.03	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7439-95-4	**Magnesium**	**5410**	51.3	51.3	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7439-96-5	**Manganese**	**254**	2.05	2.05	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7440-02-0	**Nickel**	**14.1**	4.11	4.11	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7440-09-7	**Potassium**	**1450**	51.3	51.3	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7782-49-2	Selenium	ND	4.11	4.11	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	U
7440-22-4	**Silver**	**1.25**	1.03	1.03	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	

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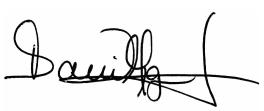

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

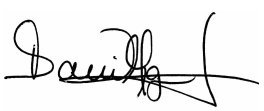
Reported:
10/24/2013 16:50

Client ID: SB-2B

Lab ID: 1301857-04 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Total Metals by EPA Method SW846 6010B										
7440-23-5	**Sodium**	**267**	51.3	51.3	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7440-28-0	Thallium	ND	1.54	3.08	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	U
7440-62-2	**Vanadium**	**23.8**	5.13	5.13	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
7440-66-6	**Zinc**	**390**	6.16	6.16	mg/kg dry	1	10/17/13 08:25	10/18/13 14:20/LIT	EPA 6010B	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	**Mercury**	**0.244**	0.0770	0.0770	mg/kg dry	1	10/17/13 08:32	10/17/13 14:57/STM	EPA 7471A	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.03	1.03	mg/kg dry	1	10/17/13 10:43	10/17/13 16:58/JAD	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**97.4**	0.100	0.100	%	1	10/18/13 14:02	10/18/13 14:04/CMD	SM 2540 G	

Accredited Analytical Resources LLC



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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2B

Lab ID: 1301857-04RE1 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method:EPA 3550B GCMS

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
62-75-9	N-Nitrosodimethylamine	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
108-95-2	Phenol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
106-46-7	1,4-Dichlorobenzene	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
100-51-6	Benzyl alcohol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
106-44-5	3 & 4-Methylphenol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
621-64-7	N-Nitroso-di-n-propylamine	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	852	3420	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
91-20-3	Naphthalene	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
106-47-8	4-Chloroaniline	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
91-57-6	2-Methylnaphthylene	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
77-47-4	Hexachlorocyclopentadiene	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U

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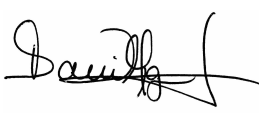

Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2B

Lab ID: 1301857-04RE1 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
88-06-2	2,4,6-Trichlorophenol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
208-96-8	**Acenaphthylene**	**739**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	J, D
99-09-2	3-Nitroaniline	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
83-32-9	**Acenaphthene**	**476**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	J, D
51-28-5	2,4-Dinitrophenol	ND	342	3420	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
132-64-9	Dibenzofuran	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
606-20-2	2,6-Dinitrotoluene	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
121-14-2	2,4-Dinitrotoluene	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
86-73-7	**Fluorene**	**476**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	D, J
100-01-6	4-Nitroaniline	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
85-01-8	**Phenanthrene**	**7600**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	D
120-12-7	**Anthracene**	**1660**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	J, D
84-74-2	Di-n-butyl phthalate	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
206-44-0	**Fluoranthene**	**15600**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	D
129-00-0	**Pyrene**	**18700**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	D
85-68-7	Butylbenzylphthalate	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U

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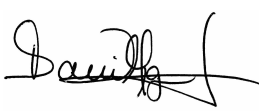

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2B

Lab ID: 1301857-04RE1 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Semivolatile Organic Compounds EPA Method SW846 8270										
91-94-1	3,3'-Dichlorobenzidine	ND	852	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
56-55-3	**Benzo[a]anthracene**	**8380**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	D
117-81-7	bis(2-ethylhexyl)phthalate	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
218-01-9	**Chrysene**	**9340**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	D
117-84-0	Di-n-octyl phthalate	ND	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	U
205-99-2	**Benzo[b]fluoranthene**	**11900**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	D
207-08-9	**Benzo[k]fluoranthene**	**7650**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	D
50-32-8	**Benzo[a]pyrene**	**8620**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	D
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2270**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	D
53-70-3	**Dibenzo(a,h)anthracene**	**1110**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	J, D
191-24-2	**Benzo[ghi]perylene**	**2080**	342	1710	ug/kg dry	10	10/17/13 09:04	10/21/13 17:10/JMM	EPA 8270C	D
Surrogate: 2-Fluorophenol				*62 %*	*25-121*		*10/17/13 09:04*	*10/21/13 17:10/JMM*	*EPA 8270C*	
Surrogate: Phenol-d5				*61 %*	*24-113*		*10/17/13 09:04*	*10/21/13 17:10/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*59 %*	*23-120*		*10/17/13 09:04*	*10/21/13 17:10/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*57 %*	*30-115*		*10/17/13 09:04*	*10/21/13 17:10/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*69 %*	*19-122*		*10/17/13 09:04*	*10/21/13 17:10/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*61 %*	*18-137*		*10/17/13 09:04*	*10/21/13 17:10/JMM*	*EPA 8270C*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	3.39	3.39	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
319-85-7	beta-BHC	ND	3.39	3.39	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
319-86-8	delta-BHC	ND	3.39	3.39	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
58-89-9	gamma-BHC [Lindane]	ND	3.39	3.39	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
76-44-8	Heptachlor	ND	3.39	3.39	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
309-00-2	Aldrin	ND	3.39	3.39	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
1024-57-3	Heptachlor Epoxide	ND	3.39	3.39	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
959-98-8	Endosulfan I	ND	3.39	3.39	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-2B

Lab ID: 1301857-04RE1 (Soil)

Accredited Analytical Resources LLC

EPA Method SW846 8081/8082

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
60-57-1	Dieldrin	ND	6.83	6.83	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
72-55-9	4,4'-DDE	ND	6.83	6.83	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
72-20-8	Endrin	ND	6.83	6.83	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
33213-65-9	Endosulfan II	ND	6.83	6.83	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
72-54-8	4,4'-DDD	ND	6.83	6.83	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
1031-07-8	Endosulfan sulfate	ND	6.83	6.83	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
50-29-3	**4,4'-DDT**	**127**	6.83	6.83	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	D
72-43-5	Methoxychlor	ND	34.2	34.2	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
53494-70-5	Endrin ketone	ND	6.83	6.83	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
7421-93-4	Endrin aldehyde	ND	6.83	6.83	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
5103-71-9	alpha-Chlordane	ND	3.39	3.39	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
5566-34-7	gamma-Chlordane	ND	3.39	3.39	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
8001-35-2	Toxaphene	ND	171	171	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
12674-11-2	Aroclor-1016	ND	85.2	171	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
11104-28-2	Aroclor-1221	ND	85.2	171	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
11141-16-5	Aroclor-1232	ND	85.2	171	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
53469-21-9	Aroclor-1242	ND	85.2	171	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
12672-29-6	Aroclor-1248	ND	85.2	171	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
11097-69-1	Aroclor-1254	ND	85.2	171	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
11096-82-5	Aroclor-1260	ND	85.2	171	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
37324-23-5	Aroclor-1262	ND	85.2	171	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
11100-14-4	Aroclor-1268	ND	85.2	171	ug/kg dry	5	10/18/13 12:48	10/24/13 07:10/JAM	EPA 8081A/8082	U
Surrogate: Tetrachloro-m-xylene				*51.5 %*	*30-150*		*10/18/13 12:48*	*10/24/13 07:10/JAM*	*EPA 8081A/8082*	
Surrogate: Tetrachloro-m-xylene				*55.5 %*	*30-150*		*10/18/13 12:48*	*10/24/13 07:10/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*77.5 %*	*30-150*		*10/18/13 12:48*	*10/24/13 07:10/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*136 %*	*30-150*		*10/18/13 12:48*	*10/24/13 07:10/JAM*	*EPA 8081A/8082*	

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Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3A

Lab ID: 1301857-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
Sample Prepared by Method:EPA 5035A										
107-02-8	Acrolein	ND	5.56	9.26	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	1.85	9.26	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
67-64-1	**Acetone**	**5.92**	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	B
75-71-8	Dichlorodifluoromethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
76-13-1	Freon 113	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
79-20-9	Methyl Acetate	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
75-09-2	Methylene Chloride	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
156-60-5	trans-1,2-Dichloroethene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
78-93-3	2-Butanone	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
156-59-4	cis-1,2-Dichloroethene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
110-82-7	Cyclohexane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	4.63	18.5	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3A

Lab ID: 1301857-05 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-06-2	1,2-Dichloroethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
71-43-2	Benzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
108-87-2	Methylcyclohexane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
78-87-5	1,2-Dichloropropane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
108-88-3	Toluene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	1.85	3.71	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	1.85	3.71	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
100-42-5	Styrene	ND	0.926	3.71	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.926	0.926	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
103-65-1	n-Propyl Benzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U

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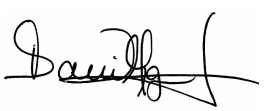

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3A

Lab ID: 1301857-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
108-86-1	Bromobenzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
98-06-6	tert-Butylbenzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
135-98-8	sec-Butylbenzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
99-87-6	p-Isopropyltoluene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.926	1.85	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	1.85	3.71	ug/kg dry	1	10/18/13 16:56	10/18/13 16:56/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*121 %*	*70-121*		*10/18/13 16:56*	*10/18/13 16:56/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*105 %*	*81-117*		*10/18/13 16:56*	*10/18/13 16:56/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*102 %*	*74-121*		*10/18/13 16:56*	*10/18/13 16:56/SCS*	*EPA 8260B*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
108-95-2	Phenol	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
106-46-7	1,4-Dichlorobenzene	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3A

Lab ID: 1301857-05 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
100-51-6	Benzyl alcohol	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
106-44-5	**3 & 4-Methylphenol**	**419**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	
621-64-7	N-Nitroso-di-n-propylamine	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	87.6	352	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
91-20-3	**Naphthalene**	**60.5**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	J
106-47-8	4-Chloroaniline	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
91-57-6	**2-Methylnaphthylene**	**82.0**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	J
77-47-4	Hexachlorocyclopentadiene	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
88-06-2	2,4,6-Trichlorophenol	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
208-96-8	**Acenaphthylene**	**56.3**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	J
99-09-2	3-Nitroaniline	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3A

Lab ID: 1301857-05 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
83-32-9	**Acenaphthene**	**91.2**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	J
51-28-5	2,4-Dinitrophenol	ND	35.2	352	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
132-64-9	**Dibenzofuran**	**64.4**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	J
606-20-2	2,6-Dinitrotoluene	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
121-14-2	2,4-Dinitrotoluene	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
86-73-7	**Fluorene**	**79.9**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	J
100-01-6	4-Nitroaniline	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
85-01-8	**Phenanthrene**	**331**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	
120-12-7	**Anthracene**	**91.5**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	J
84-74-2	Di-n-butyl phthalate	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
206-44-0	**Fluoranthene**	**248**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	
129-00-0	**Pyrene**	**1390**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	
85-68-7	**Butylbenzylphthalate**	**454**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	
91-94-1	3,3'-Dichlorobenzidine	ND	87.6	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
56-55-3	**Benzo[a]anthracene**	**195**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	
117-81-7	**bis(2-ethylhexyl)phthalate**	**312**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	
218-01-9	**Chrysene**	**265**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	
117-84-0	Di-n-octyl phthalate	ND	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	U
205-99-2	**Benzo[b]fluoranthene**	**336**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	

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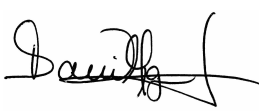

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3A

Lab ID: 1301857-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Semivolatile Organic Compounds EPA Method SW846 8270										
207-08-9	**Benzo[k]fluoranthene**	**210**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	
50-32-8	**Benzo[a]pyrene**	**230**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**193**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	
53-70-3	**Dibenzo(a,h)anthracene**	**48.2**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	J
191-24-2	**Benzo[ghi]perylene**	**259**	35.2	176	ug/kg dry	1	10/17/13 09:04	10/18/13 22:59/JMM	EPA 8270C	
Surrogate: 2-Fluorophenol				*81 %*	*25-121*		*10/17/13 09:04*	*10/18/13 22:59/JMM*	*EPA 8270C*	
Surrogate: Phenol-d5				*77 %*	*24-113*		*10/17/13 09:04*	*10/18/13 22:59/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*76 %*	*23-120*		*10/17/13 09:04*	*10/18/13 22:59/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*72 %*	*30-115*		*10/17/13 09:04*	*10/18/13 22:59/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*114 %*	*19-122*		*10/17/13 09:04*	*10/18/13 22:59/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*258 %*	*18-137*		*10/17/13 09:04*	*10/18/13 22:59/JMM*	*EPA 8270C*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.697	0.697	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
319-85-7	beta-BHC	ND	0.697	0.697	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
319-86-8	delta-BHC	ND	0.697	0.697	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.697	0.697	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
76-44-8	Heptachlor	ND	0.697	0.697	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
309-00-2	Aldrin	ND	0.697	0.697	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.697	0.697	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
959-98-8	Endosulfan I	ND	0.697	0.697	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
60-57-1	Dieldrin	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
72-55-9	4,4'-DDE	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
72-20-8	Endrin	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
33213-65-9	Endosulfan II	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
72-54-8	4,4'-DDD	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
1031-07-8	Endosulfan sulfate	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3A

Lab ID: 1301857-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
EPA Method SW846 8081/8082										
50-29-3	4,4'-DDT	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
72-43-5	Methoxychlor	ND	7.03	7.03	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
53494-70-5	Endrin ketone	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
7421-93-4	Endrin aldehyde	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
5103-71-9	alpha-Chlordane	ND	0.697	0.697	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
5566-34-7	gamma-Chlordane	ND	0.697	0.697	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
8001-35-2	Toxaphene	ND	35.2	35.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
12674-11-2	Aroclor-1016	ND	17.5	35.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
11104-28-2	Aroclor-1221	ND	17.5	35.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
11141-16-5	Aroclor-1232	ND	17.5	35.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
53469-21-9	Aroclor-1242	ND	17.5	35.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
12672-29-6	Aroclor-1248	ND	17.5	35.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
11097-69-1	Aroclor-1254	ND	17.5	35.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
11096-82-5	Aroclor-1260	ND	17.5	35.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
37324-23-5	Aroclor-1262	ND	17.5	35.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
11100-14-4	Aroclor-1268	ND	17.5	35.2	ug/kg dry	1	10/18/13 12:48	10/21/13 19:35/JAM	EPA 8081A/8082	U
Surrogate: Tetrachloro-m-xylene				*80.5 %*	*30-150*		*10/18/13 12:48*	*10/21/13 19:35/JAM*	*EPA 8081A/8082*	
Surrogate: Tetrachloro-m-xylene				*95.7 %*	*30-150*		*10/18/13 12:48*	*10/21/13 19:35/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*115 %*	*30-150*		*10/18/13 12:48*	*10/21/13 19:35/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*108 %*	*30-150*		*10/18/13 12:48*	*10/21/13 19:35/JAM*	*EPA 8081A/8082*	

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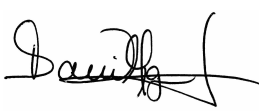

Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3A

Lab ID: 1301857-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Herbicides by EPA Method SW846-8151										
Sample Prepared by Method:EPA 8151A										
94-75-7	2,4-D	ND	10.6	10.6	ug/kg dry	1	10/21/13 05:33	10/22/13 15:35/JAM	EPA 8151A	U
93-72-1	2,4,5-TP (Silvex)	ND	1.06	1.06	ug/kg dry	1	10/21/13 05:33	10/22/13 15:35/JAM	EPA 8151A	U
93-76-5	2,4,5-T	ND	10.6	10.6	ug/kg dry	1	10/21/13 05:33	10/22/13 15:35/JAM	EPA 8151A	U
Surrogate: Dicamba				*55.2 %*	*40-150*		*10/21/13 05:33*	*10/22/13 15:35/JAM*	*EPA 8151A*	
Surrogate: Dicamba				*82.4 %*	*40-150*		*10/21/13 05:33*	*10/22/13 15:35/JAM*	*EPA 8151A*	
Total Metals by EPA Method SW846 6010B										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**7400**	21.1	21.1	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7440-36-0	Antimony	ND	6.34	6.34	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	U
7440-38-2	**Arsenic**	**5.28**	1.06	1.06	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7440-39-3	**Barium**	**85.1**	21.1	21.1	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7440-41-7	Beryllium	ND	0.528	0.528	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	U
7440-43-9	**Cadmium**	**1.06**	0.528	0.528	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7440-70-2	**Calcium**	**7450**	26.4	26.4	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7440-47-3	**Chromium**	**21.2**	2.11	2.11	mg/kg dry	1	10/17/13 08:25	10/22/13 00:56/LIT	EPA 6010B	
7440-48-4	**Cobalt**	**6.63**	5.28	5.28	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7440-50-8	**Copper**	**104**	3.17	3.17	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7439-89-6	**Iron**	**18800**	26.4	26.4	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7439-92-1	**Lead**	**223**	1.06	1.06	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7439-95-4	**Magnesium**	**5030**	52.8	52.8	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7439-96-5	**Manganese**	**201**	2.11	2.11	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7440-02-0	**Nickel**	**15.1**	4.22	4.22	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7440-09-7	**Potassium**	**936**	52.8	52.8	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7782-49-2	Selenium	ND	4.22	4.22	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	U
7440-22-4	**Silver**	**2.08**	1.06	1.06	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	

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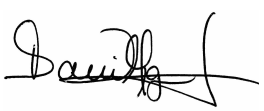

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Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3A

Lab ID: 1301857-05 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010B										
7440-23-5	**Sodium**	**145**	52.8	52.8	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7440-28-0	Thallium	ND	1.58	3.17	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	U
7440-62-2	**Vanadium**	**28.1**	5.28	5.28	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
7440-66-6	**Zinc**	**132**	6.34	6.34	mg/kg dry	1	10/17/13 08:25	10/18/13 14:25/LIT	EPA 6010B	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	**Mercury**	**0.173**	0.0792	0.0792	mg/kg dry	1	10/17/13 08:32	10/17/13 14:59/STM	EPA 7471A	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.06	1.06	mg/kg dry	1	10/17/13 10:43	10/17/13 16:58/JAD	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**94.7**	0.100	0.100	%	1	10/18/13 14:02	10/18/13 14:04/CMD	SM 2540 G	

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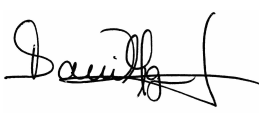

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3A

Lab ID: 1301857-05RE1 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	144	240	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	48.0	240	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
67-64-1	Acetone	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
75-71-8	Dichlorodifluoromethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
76-13-1	Freon 113	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
79-20-9	Methyl Acetate	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
75-09-2	Methylene Chloride	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
156-60-5	trans-1,2-Dichloroethene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
78-93-3	2-Butanone	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
156-59-4	cis-1,2-Dichloroethene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
110-82-7	Cyclohexane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	120	480	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3A

Lab ID: 1301857-05RE1 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-06-2	1,2-Dichloroethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
71-43-2	Benzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
108-87-2	Methylcyclohexane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
78-87-5	1,2-Dichloropropane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
108-88-3	Toluene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
10061-02-6	trans-1,3-Dichloropropene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	48.0	96.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	48.0	96.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
100-42-5	Styrene	ND	24.0	96.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	24.0	24.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
103-65-1	n-Propyl Benzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U

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Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3A

Lab ID: 1301857-05RE1 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
108-86-1	Bromobenzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
98-06-6	tert-Butylbenzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
135-98-8	sec-Butylbenzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
99-87-6	p-Isopropyltoluene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	24.0	48.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	48.0	96.0	ug/kg dry	20	10/17/13 17:59	10/17/13 17:59/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*100 %*	*70-121*		*10/17/13 17:59*	*10/17/13 17:59/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*110 %*	*81-117*		*10/17/13 17:59*	*10/17/13 17:59/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*111 %*	*74-121*		*10/17/13 17:59*	*10/17/13 17:59/SCS*	*EPA 8260B*	

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3B

Lab ID: 1301857-06 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
Sample Prepared by Method:EPA 5035A										
107-02-8	Acrolein	ND	6.11	10.2	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	2.04	10.2	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
67-64-1	**Acetone**	**5.55**	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	B
75-71-8	Dichlorodifluoromethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
76-13-1	Freon 113	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
79-20-9	Methyl Acetate	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
75-09-2	Methylene Chloride	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
156-60-5	trans-1,2-Dichloroethene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
78-93-3	2-Butanone	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
156-59-4	cis-1,2-Dichloroethene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
110-82-7	Cyclohexane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	5.09	20.4	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3B

Lab ID: 1301857-06 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-06-2	1,2-Dichloroethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
71-43-2	Benzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
108-87-2	Methylcyclohexane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
78-87-5	1,2-Dichloropropane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
108-88-3	Toluene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	2.04	4.07	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	2.04	4.07	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
100-42-5	Styrene	ND	1.02	4.07	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.02	1.02	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
103-65-1	n-Propyl Benzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3B

Lab ID: 1301857-06 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
108-86-1	Bromobenzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
98-06-6	tert-Butylbenzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
135-98-8	sec-Butylbenzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
99-87-6	p-Isopropyltoluene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.02	2.04	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	2.04	4.07	ug/kg dry	1	10/18/13 17:29	10/18/13 17:29/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*107 %*	*70-121*		*10/18/13 17:29*	*10/18/13 17:29/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*106 %*	*81-117*		*10/18/13 17:29*	*10/18/13 17:29/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*110 %*	*74-121*		*10/18/13 17:29*	*10/18/13 17:29/SCS*	*EPA 8260B*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
108-95-2	Phenol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
106-46-7	1,4-Dichlorobenzene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3B

Lab ID: 1301857-06 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
100-51-6	Benzyl alcohol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
106-44-5	3 & 4-Methylphenol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
621-64-7	N-Nitroso-di-n-propylamine	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	89.5	359	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
91-20-3	Naphthalene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
106-47-8	4-Chloroaniline	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
91-57-6	2-Methylnaphthylene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
77-47-4	Hexachlorocyclopentadiene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
88-06-2	2,4,6-Trichlorophenol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
208-96-8	Acenaphthylene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
99-09-2	3-Nitroaniline	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
83-32-9	Acenaphthene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3B

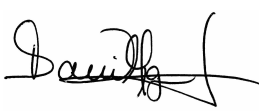
Lab ID: 1301857-06 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
51-28-5	2,4-Dinitrophenol	ND	35.9	359	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
132-64-9	Dibenzofuran	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
606-20-2	2,6-Dinitrotoluene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
121-14-2	2,4-Dinitrotoluene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
86-73-7	Fluorene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
100-01-6	4-Nitroaniline	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
85-01-8	Phenanthrene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
120-12-7	Anthracene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
84-74-2	Di-n-butyl phthalate	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
206-44-0	Fluoranthene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
129-00-0	**Pyrene**	**193**	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	
85-68-7	Butylbenzylphthalate	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
91-94-1	3,3'-Dichlorobenzidine	ND	89.5	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
56-55-3	Benzo[a]anthracene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
218-01-9	Chrysene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
117-84-0	**Di-n-octyl phthalate**	**138**	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	J
205-99-2	**Benzo[b]fluoranthene**	**43.1**	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	J
207-08-9	Benzo[k]fluoranthene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
50-32-8	**Benzo[a]pyrene**	**42.8**	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	J

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3B

Lab ID: 1301857-06 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Semivolatile Organic Compounds EPA Method SW846 8270										
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
53-70-3	Dibenzo(a,h)anthracene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
191-24-2	Benzo[ghi]perylene	ND	35.9	180	ug/kg dry	1	10/17/13 09:04	10/18/13 18:53/JMM	EPA 8270C	U
Surrogate: 2-Fluorophenol				*86 %*	*25-121*		*10/17/13 09:04*	*10/18/13 18:53/JMM*	*EPA 8270C*	
Surrogate: Phenol-d5				*79 %*	*24-113*		*10/17/13 09:04*	*10/18/13 18:53/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*83 %*	*23-120*		*10/17/13 09:04*	*10/18/13 18:53/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*70 %*	*30-115*		*10/17/13 09:04*	*10/18/13 18:53/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*124 %*	*19-122*		*10/17/13 09:04*	*10/18/13 18:53/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*76 %*	*18-137*		*10/17/13 09:04*	*10/18/13 18:53/JMM*	*EPA 8270C*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.712	0.712	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
319-85-7	beta-BHC	ND	0.712	0.712	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
319-86-8	delta-BHC	ND	0.712	0.712	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.712	0.712	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
76-44-8	Heptachlor	ND	0.712	0.712	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
309-00-2	Aldrin	ND	0.712	0.712	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.712	0.712	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
959-98-8	Endosulfan I	ND	0.712	0.712	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
60-57-1	Dieldrin	ND	1.43	1.43	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
72-55-9	4,4'-DDE	ND	1.43	1.43	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
72-20-8	Endrin	ND	1.43	1.43	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
33213-65-9	Endosulfan II	ND	1.43	1.43	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
72-54-8	4,4'-DDD	ND	1.43	1.43	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
1031-07-8	Endosulfan sulfate	ND	1.43	1.43	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
50-29-3	4,4'-DDT	ND	1.43	1.43	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
72-43-5	Methoxychlor	ND	7.18	7.18	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
53494-70-5	Endrin ketone	ND	1.43	1.43	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3B

Lab ID: 1301857-06 (Soil)

Accredited Analytical Resources LLC

EPA Method SW846 8081/8082

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7421-93-4	Endrin aldehyde	ND	1.43	1.43	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
5103-71-9	alpha-Chlordane	ND	0.712	0.712	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
5566-34-7	gamma-Chlordane	ND	0.712	0.712	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
8001-35-2	Toxaphene	ND	35.9	35.9	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
12674-11-2	Aroclor-1016	ND	17.9	35.9	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
11104-28-2	Aroclor-1221	ND	17.9	35.9	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
11141-16-5	Aroclor-1232	ND	17.9	35.9	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
53469-21-9	Aroclor-1242	ND	17.9	35.9	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
12672-29-6	Aroclor-1248	ND	17.9	35.9	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
11097-69-1	Aroclor-1254	ND	17.9	35.9	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
11096-82-5	Aroclor-1260	ND	17.9	35.9	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
37324-23-5	Aroclor-1262	ND	17.9	35.9	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
11100-14-4	Aroclor-1268	ND	17.9	35.9	ug/kg dry	1	10/18/13 12:48	10/21/13 20:08/JAM	EPA 8081A/8082	U
Surrogate: Tetrachloro-m-xylene				*70.1 %*	*30-150*		*10/18/13 12:48*	*10/21/13 20:08/JAM*	*EPA 8081A/8082*	
Surrogate: Tetrachloro-m-xylene				*85.7 %*	*30-150*		*10/18/13 12:48*	*10/21/13 20:08/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*96.8 %*	*30-150*		*10/18/13 12:48*	*10/21/13 20:08/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*131 %*	*30-150*		*10/18/13 12:48*	*10/21/13 20:08/JAM*	*EPA 8081A/8082*	

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3B

Lab ID: 1301857-06 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Herbicides by EPA Method SW846-8151										
Sample Prepared by Method:EPA 8151A										
94-75-7	2,4-D	ND	10.8	10.8	ug/kg dry	1	10/21/13 05:33	10/22/13 15:58/JAM	EPA 8151A	U
93-72-1	2,4,5-TP (Silvex)	ND	1.08	1.08	ug/kg dry	1	10/21/13 05:33	10/22/13 15:58/JAM	EPA 8151A	U
93-76-5	2,4,5-T	ND	10.8	10.8	ug/kg dry	1	10/21/13 05:33	10/22/13 15:58/JAM	EPA 8151A	U
Surrogate: Dicamba				*52.8 %*	*40-150*		*10/21/13 05:33*	*10/22/13 15:58/JAM*	*EPA 8151A*	
Surrogate: Dicamba				*75.2 %*	*40-150*		*10/21/13 05:33*	*10/22/13 15:58/JAM*	*EPA 8151A*	
Total Metals by EPA Method SW846 6010B										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**9280**	21.6	21.6	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7440-36-0	Antimony	ND	6.47	6.47	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	U
7440-38-2	**Arsenic**	**3.03**	1.08	1.08	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7440-39-3	**Barium**	**48.6**	21.6	21.6	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7440-41-7	Beryllium	ND	0.539	0.539	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	U
7440-43-9	Cadmium	ND	0.539	0.539	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	U
7440-70-2	**Calcium**	**1140**	27.0	27.0	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7440-47-3	**Chromium**	**18.4**	2.16	2.16	mg/kg dry	1	10/17/13 08:25	10/22/13 01:02/LIT	EPA 6010B	
7440-48-4	**Cobalt**	**9.25**	5.39	5.39	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7440-50-8	**Copper**	**18.7**	3.24	3.24	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7439-89-6	**Iron**	**15400**	27.0	27.0	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7439-92-1	**Lead**	**10.2**	1.08	1.08	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7439-95-4	**Magnesium**	**3170**	53.9	53.9	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7439-96-5	**Manganese**	**195**	2.16	2.16	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7440-02-0	**Nickel**	**14.9**	4.31	4.31	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7440-09-7	**Potassium**	**2200**	53.9	53.9	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7782-49-2	Selenium	ND	4.31	4.31	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	U
7440-22-4	**Silver**	**1.52**	1.08	1.08	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	

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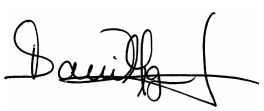

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-3B

Lab ID: 1301857-06 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Total Metals by EPA Method SW846 6010B										
7440-23-5	**Sodium**	**296**	53.9	53.9	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7440-28-0	Thallium	ND	1.62	3.24	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	U
7440-62-2	**Vanadium**	**26.7**	5.39	5.39	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
7440-66-6	**Zinc**	**27.7**	6.47	6.47	mg/kg dry	1	10/17/13 08:25	10/18/13 14:30/LIT	EPA 6010B	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	Mercury	ND	0.0809	0.0809	mg/kg dry	1	10/17/13 08:32	10/17/13 15:02/STM	EPA 7471A	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.08	1.08	mg/kg dry	1	10/17/13 10:43	10/17/13 16:58/JAD	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**92.7**	0.100	0.100	%	1	10/18/13 14:02	10/18/13 14:04/CMD	SM 2540 G	

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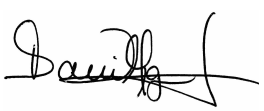

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
Sample Prepared by Method:EPA 5035A										
107-02-8	Acrolein	ND	6.36	10.6	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	2.12	10.6	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
67-64-1	**Acetone**	**1.59**	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	J
75-71-8	Dichlorodifluoromethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
76-13-1	Freon 113	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
79-20-9	Methyl Acetate	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
75-09-2	**Methylene Chloride**	**16.4**	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	
156-60-5	trans-1,2-Dichloroethene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
78-93-3	2-Butanone	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
156-59-4	cis-1,2-Dichloroethene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
110-82-7	Cyclohexane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	5.30	21.2	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U

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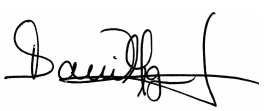

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-06-2	1,2-Dichloroethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
71-43-2	Benzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
108-87-2	Methylcyclohexane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
78-87-5	1,2-Dichloropropane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
108-88-3	Toluene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	2.12	4.24	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	2.12	4.24	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
100-42-5	Styrene	ND	1.06	4.24	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.06	1.06	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
103-65-1	n-Propyl Benzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U

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Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
108-86-1	Bromobenzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
98-06-6	tert-Butylbenzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
135-98-8	sec-Butylbenzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
99-87-6	p-Isopropyltoluene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.06	2.12	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	2.12	4.24	ug/kg dry	1	10/24/13 16:01	10/24/13 16:01/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*131 %*	*70-121*		*10/24/13 16:01*	*10/24/13 16:01/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*94 %*	*81-117*		*10/24/13 16:01*	*10/24/13 16:01/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*76 %*	*74-121*		*10/24/13 16:01*	*10/24/13 16:01/SCS*	*EPA 8260B*	

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method:EPA 3550B GCMS

62-75-9	N-Nitrosodimethylamine	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
108-95-2	Phenol	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
106-46-7	1,4-Dichlorobenzene	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U

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40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
100-51-6	Benzyl alcohol	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
106-44-5	**3 & 4-Methylphenol**	**46.3**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	J
621-64-7	N-Nitroso-di-n-propylamine	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	88.0	353	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
91-20-3	**Naphthalene**	**332**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	
106-47-8	4-Chloroaniline	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
91-57-6	**2-Methylnaphthylene**	**211**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	
77-47-4	Hexachlorocyclopentadiene	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
88-06-2	2,4,6-Trichlorophenol	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
208-96-8	**Acenaphthylene**	**633**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	
99-09-2	3-Nitroaniline	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U

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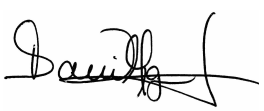

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
83-32-9	**Acenaphthene**	**1440**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	
51-28-5	2,4-Dinitrophenol	ND	35.3	353	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
132-64-9	**Dibenzofuran**	**713**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	
606-20-2	2,6-Dinitrotoluene	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
121-14-2	2,4-Dinitrotoluene	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
86-73-7	**Fluorene**	**1300**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	
100-01-6	4-Nitroaniline	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
85-01-8	**Phenanthrene**	**14100**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	E
120-12-7	**Anthracene**	**3980**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	
84-74-2	Di-n-butyl phthalate	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
206-44-0	**Fluoranthene**	**12900**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	E
129-00-0	**Pyrene**	**73600**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	E
85-68-7	**Butylbenzylphthalate**	**284**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	
91-94-1	3,3'-Dichlorobenzidine	ND	88.0	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
56-55-3	**Benzo[a]anthracene**	**17600**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	E
117-81-7	**bis(2-ethylhexyl)phthalate**	**28600**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	E
218-01-9	**Chrysene**	**18500**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	E
117-84-0	Di-n-octyl phthalate	ND	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	U
205-99-2	**Benzo[b]fluoranthene**	**19500**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	E

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40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Semivolatile Organic Compounds EPA Method SW846 8270										
207-08-9	**Benzo[k]fluoranthene**	**14700**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	E
50-32-8	**Benzo[a]pyrene**	**16400**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	E
193-39-5	**Indeno(1,2,3-cd)pyrene**	**10700**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	E
53-70-3	**Dibenzo(a,h)anthracene**	**5300**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	E
191-24-2	**Benzo[ghi]perylene**	**12800**	35.3	177	ug/kg dry	1	10/17/13 09:04	10/18/13 23:46/JMM	EPA 8270C	E
Surrogate: 2-Fluorophenol				*75 %*	*25-121*		*10/17/13 09:04*	*10/18/13 23:46/JMM*	*EPA 8270C*	
Surrogate: Phenol-d5				*68 %*	*24-113*		*10/17/13 09:04*	*10/18/13 23:46/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*59 %*	*23-120*		*10/17/13 09:04*	*10/18/13 23:46/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*75 %*	*30-115*		*10/17/13 09:04*	*10/18/13 23:46/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*75 %*	*19-122*		*10/17/13 09:04*	*10/18/13 23:46/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*242 %*	*18-137*		*10/17/13 09:04*	*10/18/13 23:46/JMM*	*EPA 8270C*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.700	0.700	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
319-85-7	beta-BHC	ND	0.700	0.700	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
319-86-8	delta-BHC	ND	0.700	0.700	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.700	0.700	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
76-44-8	Heptachlor	ND	0.700	0.700	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
309-00-2	Aldrin	ND	0.700	0.700	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.700	0.700	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
959-98-8	Endosulfan I	ND	0.700	0.700	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
60-57-1	Dieldrin	ND	1.41	1.41	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
72-55-9	**4,4'-DDE**	**33.9**	1.41	1.41	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	
72-20-8	Endrin	ND	1.41	1.41	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
33213-65-9	Endosulfan II	ND	1.41	1.41	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
72-54-8	4,4'-DDD	ND	1.41	1.41	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
1031-07-8	Endosulfan sulfate	ND	1.41	1.41	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U

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10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
EPA Method SW846 8081/8082										
50-29-3	4,4'-DDT	ND	1.41	1.41	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
72-43-5	Methoxychlor	ND	7.06	7.06	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
53494-70-5	Endrin ketone	ND	1.41	1.41	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
7421-93-4	Endrin aldehyde	ND	1.41	1.41	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
5103-71-9	alpha-Chlordane	ND	0.700	0.700	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
5566-34-7	gamma-Chlordane	ND	0.700	0.700	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
8001-35-2	Toxaphene	ND	35.3	35.3	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
12674-11-2	Aroclor-1016	ND	17.6	35.3	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
11104-28-2	Aroclor-1221	ND	17.6	35.3	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
11141-16-5	Aroclor-1232	ND	17.6	35.3	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
53469-21-9	Aroclor-1242	ND	17.6	35.3	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
12672-29-6	Aroclor-1248	ND	17.6	35.3	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
11097-69-1	Aroclor-1254	ND	17.6	35.3	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
11096-82-5	Aroclor-1260	ND	17.6	35.3	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
37324-23-5	Aroclor-1262	ND	17.6	35.3	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
11100-14-4	Aroclor-1268	ND	17.6	35.3	ug/kg dry	1	10/18/13 12:48	10/21/13 20:42/JAM	EPA 8081A/8082	U
Surrogate: Tetrachloro-m-xylene				*83.1 %*	*30-150*		*10/18/13 12:48*	*10/21/13 20:42/JAM*	*EPA 8081A/8082*	
Surrogate: Tetrachloro-m-xylene				*108 %*	*30-150*		*10/18/13 12:48*	*10/21/13 20:42/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*125 %*	*30-150*		*10/18/13 12:48*	*10/21/13 20:42/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*144 %*	*30-150*		*10/18/13 12:48*	*10/21/13 20:42/JAM*	*EPA 8081A/8082*	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Herbicides by EPA Method SW846-8151										
Sample Prepared by Method:EPA 8151A										
94-75-7	2,4-D	ND	10.6	10.6	ug/kg dry	1	10/21/13 05:33	10/22/13 16:22/JAM	EPA 8151A	U
93-72-1	2,4,5-TP (Silvex)	ND	1.06	1.06	ug/kg dry	1	10/21/13 05:33	10/22/13 16:22/JAM	EPA 8151A	U
93-76-5	2,4,5-T	ND	10.6	10.6	ug/kg dry	1	10/21/13 05:33	10/22/13 16:22/JAM	EPA 8151A	U
Surrogate: Dicamba				*57.6 %*	*40-150*		*10/21/13 05:33*	*10/22/13 16:22/JAM*	*EPA 8151A*	
Surrogate: Dicamba				*66.4 %*	*40-150*		*10/21/13 05:33*	*10/22/13 16:22/JAM*	*EPA 8151A*	
Total Metals by EPA Method SW846 6010B										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**9640**	21.2	21.2	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7440-36-0	Antimony	ND	6.36	6.36	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	U
7440-38-2	**Arsenic**	**6.24**	1.06	1.06	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7440-39-3	**Barium**	**228**	21.2	21.2	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7440-41-7	Beryllium	ND	0.530	0.530	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	U
7440-43-9	**Cadmium**	**1.65**	0.530	0.530	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7440-70-2	**Calcium**	**29200**	26.5	26.5	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7440-47-3	**Chromium**	**46.4**	2.12	2.12	mg/kg dry	1	10/17/13 08:25	10/22/13 01:08/LIT	EPA 6010B	
7440-48-4	**Cobalt**	**9.93**	5.30	5.30	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7440-50-8	**Copper**	**88.5**	3.18	3.18	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7439-89-6	**Iron**	**20100**	26.5	26.5	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7439-92-1	**Lead**	**314**	1.06	1.06	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7439-95-4	**Magnesium**	**7480**	53.0	53.0	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7439-96-5	**Manganese**	**332**	2.12	2.12	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7440-02-0	**Nickel**	**17.3**	4.24	4.24	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7440-09-7	**Potassium**	**4220**	53.0	53.0	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7782-49-2	Selenium	ND	4.24	4.24	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	U
7440-22-4	**Silver**	**2.15**	1.06	1.06	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

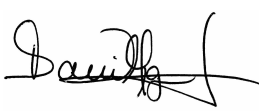
JOY CONSTRUCTION CORP.		
40 Fulton St. 21st Fl.	Project: Crotona Terrace	**Reported:**
New York NY, 10038	Project Manager: Doug Harm	10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010B										
7440-23-5	**Sodium**	**498**	53.0	53.0	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7440-28-0	Thallium	ND	1.59	3.18	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	U
7440-62-2	**Vanadium**	**31.8**	5.30	5.30	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
7440-66-6	**Zinc**	**431**	6.36	6.36	mg/kg dry	1	10/17/13 08:25	10/18/13 14:34/LIT	EPA 6010B	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	**Mercury**	**0.239**	0.0795	0.0795	mg/kg dry	1	10/17/13 08:32	10/17/13 15:04/STM	EPA 7471A	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.06	1.06	mg/kg dry	1	10/17/13 10:43	10/17/13 16:58/JAD	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**94.3**	0.100	0.100	%	1	10/18/13 14:02	10/18/13 14:04/CMD	SM 2540 G	

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07RE1 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	6.36	10.6	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	2.12	10.6	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
67-64-1	**Acetone**	**5.36**	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	
75-71-8	Dichlorodifluoromethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
76-13-1	Freon 113	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
79-20-9	Methyl Acetate	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
75-09-2	**Methylene Chloride**	**55.9**	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	
156-60-5	trans-1,2-Dichloroethene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
78-93-3	2-Butanone	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
156-59-4	cis-1,2-Dichloroethene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
110-82-7	Cyclohexane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	5.30	21.2	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U

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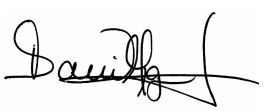


Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4A

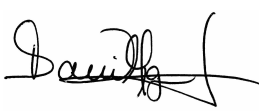
Lab ID: 1301857-07RE1 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-06-2	1,2-Dichloroethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
71-43-2	Benzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
108-87-2	Methylcyclohexane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
78-87-5	1,2-Dichloropropane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
108-88-3	Toluene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	2.12	4.24	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	2.12	4.24	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
100-42-5	Styrene	ND	1.06	4.24	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.06	1.06	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
103-65-1	n-Propyl Benzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07RE1 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
108-86-1	Bromobenzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
98-06-6	tert-Butylbenzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
135-98-8	sec-Butylbenzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
99-87-6	p-Isopropyltoluene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.06	2.12	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	2.12	4.24	ug/kg dry	1	10/22/13 19:57	10/22/13 19:57/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*124 %*	*70-121*		*10/22/13 19:57*	*10/22/13 19:57/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*89 %*	*81-117*		*10/22/13 19:57*	*10/22/13 19:57/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*69 %*	*74-121*		*10/22/13 19:57*	*10/22/13 19:57/SCS*	*EPA 8260B*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
108-95-2	Phenol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
106-46-7	1,4-Dichlorobenzene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07RE1 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
100-51-6	Benzyl alcohol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
106-44-5	3 & 4-Methylphenol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
621-64-7	N-Nitroso-di-n-propylamine	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	1760	7060	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
91-20-3	Naphthalene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
106-47-8	4-Chloroaniline	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
91-57-6	2-Methylnaphthylene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
77-47-4	Hexachlorocyclopentadiene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
88-06-2	2,4,6-Trichlorophenol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
208-96-8	Acenaphthylene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
99-09-2	3-Nitroaniline	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07RE1 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
83-32-9	**Acenaphthene**	**1150**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	J, D
51-28-5	2,4-Dinitrophenol	ND	706	7060	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
132-64-9	Dibenzofuran	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
606-20-2	2,6-Dinitrotoluene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
121-14-2	2,4-Dinitrotoluene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
86-73-7	**Fluorene**	**990**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D, J
100-01-6	4-Nitroaniline	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
85-01-8	**Phenanthrene**	**15500**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D
120-12-7	**Anthracene**	**3700**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D
84-74-2	Di-n-butyl phthalate	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
206-44-0	**Fluoranthene**	**29600**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D
129-00-0	**Pyrene**	**36300**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D
85-68-7	Butylbenzylphthalate	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
91-94-1	3,3'-Dichlorobenzidine	ND	1760	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
56-55-3	**Benzo[a]anthracene**	**16100**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D
117-81-7	**bis(2-ethylhexyl)phthalate**	**9630**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D
218-01-9	**Chrysene**	**17000**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D
117-84-0	Di-n-octyl phthalate	ND	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	U
205-99-2	**Benzo[b]fluoranthene**	**19800**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D

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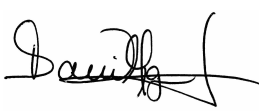

Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4A

Lab ID: 1301857-07RE1 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Semivolatile Organic Compounds EPA Method SW846 8270										
207-08-9	**Benzo[k]fluoranthene**	**18100**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D
50-32-8	**Benzo[a]pyrene**	**15700**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4090**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D
53-70-3	**Dibenzo(a,h)anthracene**	**2040**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D, J
191-24-2	**Benzo[ghi]perylene**	**3630**	706	3540	ug/kg dry	20	10/17/13 09:04	10/21/13 18:41/JMM	EPA 8270C	D
Surrogate: 2-Fluorophenol				*63 %*	*25-121*		*10/17/13 09:04*	*10/21/13 18:41/JMM*	*EPA 8270C*	
Surrogate: Phenol-d5				*62 %*	*24-113*		*10/17/13 09:04*	*10/21/13 18:41/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*60 %*	*23-120*		*10/17/13 09:04*	*10/21/13 18:41/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*62 %*	*30-115*		*10/17/13 09:04*	*10/21/13 18:41/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*68 %*	*19-122*		*10/17/13 09:04*	*10/21/13 18:41/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*66 %*	*18-137*		*10/17/13 09:04*	*10/21/13 18:41/JMM*	*EPA 8270C*	

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Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4B

Lab ID: 1301857-08 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5035A

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	9.30	15.5	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	3.10	15.5	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
67-64-1	**Acetone**	**51.9**	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	B
75-71-8	Dichlorodifluoromethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
76-13-1	Freon 113	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
79-20-9	Methyl Acetate	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
75-09-2	Methylene Chloride	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
156-60-5	trans-1,2-Dichloroethene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
78-93-3	**2-Butanone**	**9.78**	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	
156-59-4	cis-1,2-Dichloroethene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
110-82-7	Cyclohexane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	7.75	31.0	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4B

Lab ID: 1301857-08 (Soil)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-06-2	1,2-Dichloroethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
71-43-2	Benzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
108-87-2	Methylcyclohexane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
78-87-5	1,2-Dichloropropane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
108-88-3	**Toluene**	**23.1**	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	
10061-02-6	trans-1,3-Dichloropropene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	3.10	6.20	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	3.10	6.20	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
100-42-5	Styrene	ND	1.55	6.20	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.55	1.55	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U

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Daniel Miguel, Technical Director

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Lab ID: 1301857-08 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
103-65-1	n-Propyl Benzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
108-86-1	Bromobenzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
98-06-6	tert-Butylbenzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
135-98-8	**sec-Butylbenzene**	**1.95**	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	J
99-87-6	p-Isopropyltoluene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	1.55	3.10	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	3.10	6.20	ug/kg dry	1	10/18/13 16:23	10/18/13 16:23/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*116 %*	*70-121*		*10/18/13 16:23*	*10/18/13 16:23/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*101 %*	*81-117*		*10/18/13 16:23*	*10/18/13 16:23/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*97 %*	*74-121*		*10/18/13 16:23*	*10/18/13 16:23/SCS*	*EPA 8260B*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3550B GCMS										
62-75-9	N-Nitrosodimethylamine	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
108-95-2	Phenol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U

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Lab ID: 1301857-08 (Soil)

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Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
106-46-7	1,4-Dichlorobenzene	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
100-51-6	Benzyl alcohol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
106-44-5	3 & 4-Methylphenol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
621-64-7	N-Nitroso-di-n-propylamine	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	87.5	351	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
91-20-3	**Naphthalene**	**108**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	J
106-47-8	4-Chloroaniline	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
91-57-6	**2-Methylnaphthylene**	**112**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	J
77-47-4	Hexachlorocyclopentadiene	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
88-06-2	2,4,6-Trichlorophenol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
208-96-8	**Acenaphthylene**	**267**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	

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Project Manager: Doug Harm

Reported:
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Client ID: SB-4B

Lab ID: 1301857-08 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
99-09-2	3-Nitroaniline	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
83-32-9	**Acenaphthene**	**611**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	
51-28-5	2,4-Dinitrophenol	ND	35.1	351	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
132-64-9	**Dibenzofuran**	**324**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	
606-20-2	2,6-Dinitrotoluene	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
121-14-2	2,4-Dinitrotoluene	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
86-73-7	**Fluorene**	**598**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	
100-01-6	4-Nitroaniline	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
85-01-8	**Phenanthrene**	**6810**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	E
120-12-7	**Anthracene**	**1760**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	
84-74-2	Di-n-butyl phthalate	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
206-44-0	**Fluoranthene**	**6970**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	E
129-00-0	**Pyrene**	**30500**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	E
85-68-7	Butylbenzylphthalate	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
91-94-1	3,3'-Dichlorobenzidine	ND	87.5	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U
56-55-3	**Benzo[a]anthracene**	**7550**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	E
117-81-7	**bis(2-ethylhexyl)phthalate**	**357**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	
218-01-9	**Chrysene**	**7950**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	E
117-84-0	Di-n-octyl phthalate	ND	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	U

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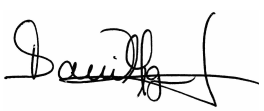

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Lab ID: 1301857-08 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
205-99-2	**Benzo[b]fluoranthene**	**8380**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	E
207-08-9	**Benzo[k]fluoranthene**	**7730**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	E
50-32-8	**Benzo[a]pyrene**	**7100**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	E
193-39-5	**Indeno(1,2,3-cd)pyrene**	**3790**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	
53-70-3	**Dibenzo(a,h)anthracene**	**1910**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	
191-24-2	**Benzo[ghi]perylene**	**4360**	35.1	176	ug/kg dry	1	10/17/13 09:04	10/19/13 00:33/JMM	EPA 8270C	E
Surrogate: 2-Fluorophenol				*31 %*	*25-121*		*10/17/13 09:04*	*10/19/13 00:33/JMM*	*EPA 8270C*	
Surrogate: Phenol-d5				*52 %*	*24-113*		*10/17/13 09:04*	*10/19/13 00:33/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*62 %*	*23-120*		*10/17/13 09:04*	*10/19/13 00:33/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*70 %*	*30-115*		*10/17/13 09:04*	*10/19/13 00:33/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*4 %*	*19-122*		*10/17/13 09:04*	*10/19/13 00:33/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*203 %*	*18-137*		*10/17/13 09:04*	*10/19/13 00:33/JMM*	*EPA 8270C*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3550B										
319-84-6	alpha-BHC	ND	0.695	0.695	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
319-85-7	beta-BHC	ND	0.695	0.695	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
319-86-8	delta-BHC	ND	0.695	0.695	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.695	0.695	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
76-44-8	Heptachlor	ND	0.695	0.695	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
309-00-2	Aldrin	ND	0.695	0.695	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.695	0.695	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
959-98-8	Endosulfan I	ND	0.695	0.695	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
60-57-1	Dieldrin	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
72-55-9	**4,4'-DDE**	**14.4**	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	
72-20-8	Endrin	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
33213-65-9	Endosulfan II	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
72-54-8	4,4'-DDD	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4B

Lab ID: 1301857-08 (Soil)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
EPA Method SW846 8081/8082										
1031-07-8	Endosulfan sulfate	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
50-29-3	4,4'-DDT	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
72-43-5	Methoxychlor	ND	7.02	7.02	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
53494-70-5	Endrin ketone	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
7421-93-4	Endrin aldehyde	ND	1.40	1.40	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
5103-71-9	alpha-Chlordane	ND	0.695	0.695	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
5566-34-7	gamma-Chlordane	ND	0.695	0.695	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
8001-35-2	Toxaphene	ND	35.1	35.1	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
12674-11-2	Aroclor-1016	ND	17.5	35.1	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
11104-28-2	Aroclor-1221	ND	17.5	35.1	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
11141-16-5	Aroclor-1232	ND	17.5	35.1	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
53469-21-9	Aroclor-1242	ND	17.5	35.1	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
12672-29-6	Aroclor-1248	ND	17.5	35.1	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
11097-69-1	Aroclor-1254	ND	17.5	35.1	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
11096-82-5	Aroclor-1260	ND	17.5	35.1	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
37324-23-5	Aroclor-1262	ND	17.5	35.1	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
11100-14-4	Aroclor-1268	ND	17.5	35.1	ug/kg dry	1	10/18/13 12:48	10/21/13 21:16/JAM	EPA 8081A/8082	U
Surrogate: Tetrachloro-m-xylene				*71.3 %*	*30-150*		*10/18/13 12:48*	*10/21/13 21:16/JAM*	*EPA 8081A/8082*	
Surrogate: Tetrachloro-m-xylene				*94.7 %*	*30-150*		*10/18/13 12:48*	*10/21/13 21:16/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*135 %*	*30-150*		*10/18/13 12:48*	*10/21/13 21:16/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*116 %*	*30-150*		*10/18/13 12:48*	*10/21/13 21:16/JAM*	*EPA 8081A/8082*	

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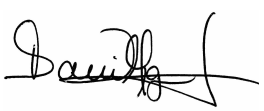

Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4B

Lab ID: 1301857-08 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
					Accredited Analytical Resources LLC					
Herbicides by EPA Method SW846-8151										
Sample Prepared by Method:EPA 8151A										
94-75-7	2,4-D	ND	10.5	10.5	ug/kg dry	1	10/21/13 05:33	10/22/13 16:45/JAM	EPA 8151A	U
93-72-1	2,4,5-TP (Silvex)	ND	1.05	1.05	ug/kg dry	1	10/21/13 05:33	10/22/13 16:45/JAM	EPA 8151A	U
93-76-5	2,4,5-T	ND	10.5	10.5	ug/kg dry	1	10/21/13 05:33	10/22/13 16:45/JAM	EPA 8151A	U
Surrogate: Dicamba				*52.0 %*	*40-150*		*10/21/13 05:33*	*10/22/13 16:45/JAM*	*EPA 8151A*	
Surrogate: Dicamba				*88.8 %*	*40-150*		*10/21/13 05:33*	*10/22/13 16:45/JAM*	*EPA 8151A*	
Total Metals by EPA Method SW846 6010B										
Sample Prepared by Method:EPA 3050B										
7429-90-5	**Aluminum**	**8400**	21.1	21.1	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
7440-36-0	Antimony	ND	6.32	6.32	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	U
7440-38-2	**Arsenic**	**10.5**	1.05	1.05	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
7440-39-3	**Barium**	**138**	21.1	21.1	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
7440-41-7	Beryllium	ND	0.527	0.527	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	U
7440-43-9	**Cadmium**	**2.32**	0.527	0.527	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
7440-70-2	**Calcium**	**60300**	659	659	mg/kg dry	25	10/17/13 08:25	10/18/13 15:03/LIT	EPA 6010B	D
7440-47-3	**Chromium**	**45.9**	2.11	2.11	mg/kg dry	1	10/17/13 08:25	10/22/13 01:14/LIT	EPA 6010B	
7440-48-4	**Cobalt**	**6.94**	5.27	5.27	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
7440-50-8	**Copper**	**52.0**	3.16	3.16	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
7439-89-6	**Iron**	**36600**	659	659	mg/kg dry	25	10/17/13 08:25	10/18/13 15:03/LIT	EPA 6010B	D
7439-92-1	**Lead**	**333**	1.05	1.05	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
7439-95-4	**Magnesium**	**7370**	52.7	52.7	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
7439-96-5	**Manganese**	**358**	2.11	2.11	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
7440-02-0	**Nickel**	**16.9**	4.21	4.21	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
7440-09-7	**Potassium**	**1520**	52.7	52.7	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
7782-49-2	Selenium	ND	4.21	4.21	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	U
7440-22-4	**Silver**	**2.78**	1.05	1.05	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	

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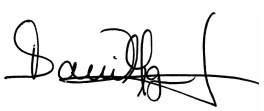

Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4B

Lab ID: 1301857-08 (Soil)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Total Metals by EPA Method SW846 6010B										
7440-23-5	**Sodium**	**509**	52.7	52.7	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
7440-28-0	Thallium	ND	1.58	3.16	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	U
7440-62-2	**Vanadium**	**24.7**	5.27	5.27	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
7440-66-6	**Zinc**	**350**	6.32	6.32	mg/kg dry	1	10/17/13 08:25	10/18/13 14:39/LIT	EPA 6010B	
Total Mercury by SW846 7471										
Sample Prepared by Method:EPA 7471A										
7439-97-6	**Mercury**	**0.273**	0.0790	0.0790	mg/kg dry	1	10/17/13 08:32	10/17/13 15:06/STM	EPA 7471A	
Wet Chemistry										
Sample Prepared by Method:EPA 9010C										
NA	Cyanide (total)	ND	1.05	1.05	mg/kg dry	1	10/17/13 10:43	10/17/13 16:58/JAD	EPA 9014	
Sample Prepared by Method:Percent Solids										
NA	**Percent Solids**	**94.9**	0.100	0.100	%	1	10/18/13 14:02	10/18/13 14:04/CMD	SM 2540 G	

Accredited Analytical Resources LLC

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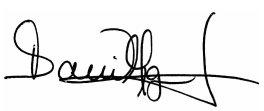

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40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4B

Lab ID: 1301857-08RE1 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

Sample Prepared by Method:EPA 3550B GCMS

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
62-75-9	N-Nitrosodimethylamine	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
108-95-2	Phenol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
106-46-7	1,4-Dichlorobenzene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
100-51-6	Benzyl alcohol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
106-44-5	3 & 4-Methylphenol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
621-64-7	N-Nitroso-di-n-propylamine	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	875	3510	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
91-20-3	Naphthalene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
106-47-8	4-Chloroaniline	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
91-57-6	2-Methylnaphthylene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
77-47-4	Hexachlorocyclopentadiene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U

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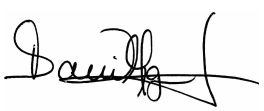

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Project Manager: Doug Harm

Reported:
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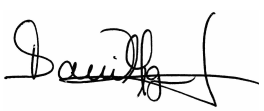
Lab ID: 1301857-08RE1 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
88-06-2	2,4,6-Trichlorophenol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
208-96-8	Acenaphthylene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
99-09-2	3-Nitroaniline	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
83-32-9	**Acenaphthene**	**418**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	J, D
51-28-5	2,4-Dinitrophenol	ND	351	3510	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
132-64-9	Dibenzofuran	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
606-20-2	2,6-Dinitrotoluene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
121-14-2	2,4-Dinitrotoluene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
86-73-7	**Fluorene**	**390**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	D, J
100-01-6	4-Nitroaniline	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
85-01-8	**Phenanthrene**	**6170**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	D
120-12-7	**Anthracene**	**1380**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	J, D
84-74-2	Di-n-butyl phthalate	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
206-44-0	**Fluoranthene**	**12400**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	D
129-00-0	**Pyrene**	**13500**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	D
85-68-7	Butylbenzylphthalate	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/24/2013 16:50

Client ID: SB-4B

Lab ID: 1301857-08RE1 (Soil)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
91-94-1	3,3'-Dichlorobenzidine	ND	875	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
56-55-3	**Benzo[a]anthracene**	**6360**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	D
117-81-7	bis(2-ethylhexyl)phthalate	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
218-01-9	**Chrysene**	**6610**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	D
117-84-0	Di-n-octyl phthalate	ND	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	U
205-99-2	**Benzo[b]fluoranthene**	**7390**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	D
207-08-9	**Benzo[k]fluoranthene**	**7150**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	D
50-32-8	**Benzo[a]pyrene**	**6160**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	D
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1670**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	D, J
53-70-3	**Dibenzo(a,h)anthracene**	**878**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	J, D
191-24-2	**Benzo[ghi]perylene**	**1460**	351	1760	ug/kg dry	10	10/17/13 09:04	10/21/13 17:55/JMM	EPA 8270C	J, D
Surrogate: 2-Fluorophenol				*23 %*	*25-121*		*10/17/13 09:04*	*10/21/13 17:55/JMM*	*EPA 8270C*	
Surrogate: Phenol-d5				*43 %*	*24-113*		*10/17/13 09:04*	*10/21/13 17:55/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*62 %*	*23-120*		*10/17/13 09:04*	*10/21/13 17:55/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*52 %*	*30-115*		*10/17/13 09:04*	*10/21/13 17:55/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*3 %*	*19-122*		*10/17/13 09:04*	*10/21/13 17:55/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*60 %*	*18-137*		*10/17/13 09:04*	*10/21/13 17:55/JMM*	*EPA 8270C*	

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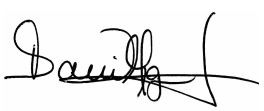

Daniel Miguel, Technical Director

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ACCREDITED ANALYTICAL RESOURCES, LLC

20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

CHAIN OF CUSTODY FORM

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Joy Construction
ADDRESS	40 Fulton Street, Floor 21st
CITY	New York
STATE	New York ZIP 10038

PROJECT	Crotona Terrace
CONTACT	Doug Harm
PHONE	732-223-2225
FAX	732-223-3666
E-MAIL	dharm@brinkenv.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE TIME SAMPLED	SAMPLE DESCRIPTION: GRAB	COMPOSITE	DEPTH	ANALYSIS
1301357-01	SB-1A	3	S	7	10-15-13 0930	X			TAL/TCL, +MTBE, TBA, + Herbicides,
02	SB-1B	3	S	7	0945	X			
03	SB-2A	3	S	7	1029	X			
04	SB-2B	3	S	7	1038	X			
05	SB-3A	3	S	7	1134	X			
06	SB-3B	3	S	7	1142	X			
07	SB-4A	3	S	7	1244	X			
08	SB-4B	3	S	7	1250	X			

** M = MATRIX CODE: S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: One week (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☒ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER = Encore

RELINQUISHED BY: PRINT	SIGN	RECEIVED BY: PRINT	SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton		John Inaw		AAR	10/16/13	1445	PM
John Inaw		CMSodds		AAR	10/16/13	1600	Analysis

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton/Isabel SIGN: _____

COMMENTS	Invoice to Joy Construction Analytical to Brinkerhoff

AAR QUOTE #	
AAR CASE #	1301357
P.O. #	13BR171

See Reverse for Instructions

Accredited Analytical Resources, LLC.

25 October 2013

AAR Work Order: 1301858

Doug Harm
JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York, NY 10038

RE: Crotona Terrace

Enclosed are the results of analyses for samples received by the laboratory on 10/16/2013 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel Miguel
Technical Director

New York Certificaton Number 11109

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.		
40 Fulton St. 21st Fl.	Project: Crotona Terrace	**Reported:**
New York NY, 10038	Project Manager: Doug Harm	10/25/2013 11:29

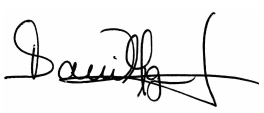
Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GW-1	1301858-01	Ground Water	10/15/2013 10:15	10/16/2013 16:00
GW-2	1301858-02	Ground Water	10/15/2013 10:53	10/16/2013 16:00
GW-3	1301858-03	Ground Water	10/15/2013 11:26	10/16/2013 16:00
TB	1301858-04	Ground Water	10/15/2013 00:00	10/16/2013 16:00

Notes and Definitions

U	Analyte included in the analysis, but not detected
J	Indicates estimated value for TICs and all results when detected below the RL
E	Concentration exceeds calibration range
B	Indicates compound found in associated blank
ND	Indicates compound analyzed for but not detected
U	Indicates compound analyzed for but not detected
dry	Sample results reported on a dry weight basis
RL	Reporting Limit
MDL	Method Detection Limit

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.		
40 Fulton St. 21st Fl.	Project: Crotona Terrace	**Reported:**
New York NY, 10038	Project Manager: Doug Harm	10/25/2013 11:29

Methodology Summary

EPA 6010B

An aliquot of sample is digested with nitric acid. The digestate is then refluxed with either nitric acid or hydrochloric acid. The basis of ICAP method is the measurement of atomic emission by an optical spectroscope technique. The ICAP technique is specified in Method 6010B.

EPA 7470A

The mercury in the sample is reduced to the elemental state and detected by the cold vapor technique in a closed system, the analytical procedure associated with the Cold Vapor technique is derived from EPA Method EPA7470A.

EPA 8081/8082

A one liter portion of aqueous sample is serially extracted with methylene chloride. The extract is dried and solvent/exchanged to hexane during concentration. A measured amount is injected onto a GC and the analytes are detected by an electron capture detector.

EPA 8260

Volatile organic compounds are purged from a 10ml sample with an inert gas. The purgeables are trapped in a sorbent column. The sorbent column is heated and back-flushed with the inert gas to desorb the purgeables onto a GC capillary column. The GC is temperature programmed to separate the purgeables which are then detected with a mass spectrometer.

EPA 8270

A 1 liter aqueous sample is serially extracted with methylene chloride at a pH greater than 11 and again at a pH less than 2. The methylene chloride extract is dried and concentrated. The extracts are combined and spiked with the internal standards prior to the injection. A measured amount is injected onto a GC and the analytes are detected with a mass spectrometer.

SM 4500CN E

An appropriate volume of sample is placed into a cyanide distillation apparatus. Cyanide gas is liberated from the aqueous solution upon addition of sulfuric acid, magnesium chloride and heat. The gas is trapped in a scrubber containing sodium hydroxide solution. The concentration of cyanide in the caustic solution is determined colorimetrically.

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-1

Lab ID: 1301858-01 (Ground Water)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5030B

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	6.00	10.0	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	2.00	10.0	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
67-64-1	Acetone	ND	1.00	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
75-71-8	Dichlorodifluoromethane	ND	1.00	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	1.00	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	1.00	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	1.00	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	1.00	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	1.00	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	0.400	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	0.400	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
75-09-2	**Methylene Chloride**	**0.700**	0.400	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	J, B
156-60-5	trans-1,2-Dichloroethene	ND	0.400	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	0.400	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	0.400	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	0.400	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
78-93-3	2-Butanone	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
156-59-4	cis-1,2-Dichloroethene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	3.00	10.0	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
107-06-2	1,2-Dichloroethane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
71-43-2	Benzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U

Accredited Analytical Resources LLC

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-1

Lab ID: 1301858-01 (Ground Water)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
78-87-5	1,2-Dichloropropane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
108-88-3	Toluene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	1.00	2.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	1.00	2.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
100-42-5	Styrene	ND	1.00	2.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
103-65-1	n-Propyl Benzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
108-86-1	Bromobenzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-1

Lab ID: 1301858-01 (Ground Water)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Volatile Organic Compounds EPA Method SW846 8260										
98-06-6	tert-Butylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
135-98-8	sec-Butylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
99-87-6	p-Isopropyltoluene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	1.00	2.00	ug/L	1	10/22/13 18:33	10/22/13 18:33/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*104 %*	*76-114*		*10/22/13 18:33*	*10/22/13 18:33/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*98 %*	*88-110*		*10/22/13 18:33*	*10/22/13 18:33/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*101 %*	*86-115*		*10/22/13 18:33*	*10/22/13 18:33/SCS*	*EPA 8260B*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3510C GCMS										
62-75-9	N-Nitrosodimethylamine	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
108-95-2	Phenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
106-46-7	1,4-Dichlorobenzene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
100-51-6	Benzyl alcohol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U

Accredited Analytical Resources LLC

Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-1

Lab ID: 1301858-01 (Ground Water)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
106-44-5	3 & 4-Methylphenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	2.17	5.43	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
91-20-3	Naphthalene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
106-47-8	4-Chloroaniline	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
91-57-6	2-Methylnaphthylene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
77-47-4	Hexachlorocyclopentadiene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
88-06-2	2,4,6-Trichlorophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
208-96-8	Acenaphthylene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
99-09-2	3-Nitroaniline	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
83-32-9	Acenaphthene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
51-28-5	2,4-Dinitrophenol	ND	1.09	5.43	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
132-64-9	Dibenzofuran	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
606-20-2	2,6-Dinitrotoluene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-1

Lab ID: 1301858-01 (Ground Water)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
121-14-2	2,4-Dinitrotoluene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
86-73-7	Fluorene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
100-01-6	4-Nitroaniline	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
85-01-8	Phenanthrene	ND	0.109	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
120-12-7	Anthracene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
84-74-2	Di-n-butyl phthalate	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
206-44-0	Fluoranthene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
129-00-0	Pyrene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
85-68-7	Butylbenzylphthalate	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
56-55-3	Benzo[a]anthracene	ND	0.109	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
218-01-9	Chrysene	ND	0.109	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
117-84-0	Di-n-octyl phthalate	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
205-99-2	Benzo[b]fluoranthene	ND	0.217	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
207-08-9	Benzo[k]fluoranthene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
50-32-8	Benzo[a]pyrene	ND	0.109	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.217	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
191-24-2	Benzo[ghi]perylene	ND	0.109	2.72	ug/L	1	10/21/13 06:00	10/22/13 17:56/JMM	EPA 8270C	U
Surrogate: 2-Fluorophenol				*39 %*	*21-100*		*10/21/13 06:00*	*10/22/13 17:56/JMM*	*EPA 8270C*	

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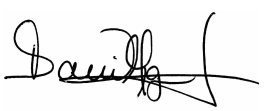

Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-1

Lab ID: 1301858-01 (Ground Water)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Surrogate: Phenol-d5		*26 %*		*10-94*			*10/21/13 06:00*	*10/22/13 17:56/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5		*80 %*		*35-114*			*10/21/13 06:00*	*10/22/13 17:56/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl		*84 %*		*43-116*			*10/21/13 06:00*	*10/22/13 17:56/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol		*117 %*		*10-123*			*10/21/13 06:00*	*10/22/13 17:56/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14		*76 %*		*33-141*			*10/21/13 06:00*	*10/22/13 17:56/JMM*	*EPA 8270C*	

EPA Method SW846 8081/8082

Sample Prepared by Method:EPA 3510C

319-84-6	alpha-BHC	ND	0.00417	0.00417	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
319-85-7	beta-BHC	ND	0.00417	0.00417	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
319-86-8	delta-BHC	ND	0.00417	0.00417	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.00417	0.00417	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
76-44-8	Heptachlor	ND	0.00417	0.00417	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
309-00-2	Aldrin	ND	0.00417	0.00417	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.00417	0.00417	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
959-98-8	Endosulfan I	ND	0.00417	0.00417	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
60-57-1	Dieldrin	ND	0.00833	0.00833	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
72-55-9	4,4'-DDE	ND	0.00833	0.00833	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
72-20-8	Endrin	ND	0.00833	0.00833	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
33213-65-9	Endosulfan II	ND	0.00833	0.00833	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
72-54-8	4,4'-DDD	ND	0.00833	0.00833	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
1031-07-8	Endosulfan sulfate	ND	0.00833	0.00833	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
50-29-3	4,4'-DDT	ND	0.00833	0.00833	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
72-43-5	Methoxychlor	ND	0.0417	0.0417	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
53494-70-5	Endrin ketone	ND	0.00833	0.0833	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
7421-93-4	Endrin aldehyde	ND	0.00833	0.0833	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
5103-71-9	alpha-Chlordane	ND	0.00417	0.00417	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
5566-34-7	gamma-Chlordane	ND	0.00417	0.00417	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
8001-35-2	Toxaphene	ND	0.208	0.208	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U

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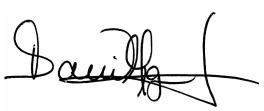

Daniel Miguel, Technical Director

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40 Fulton St. 21st Fl.
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Accredited Analytical Resources LLC

EPA Method SW846 8081/8082

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
12674-11-2	Aroclor-1016	ND	0.104	0.208	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
11104-28-2	Aroclor-1221	ND	0.104	0.208	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
11141-16-5	Aroclor-1232	ND	0.104	0.208	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
53469-21-9	Aroclor-1242	ND	0.104	0.208	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
12672-29-6	Aroclor-1248	ND	0.104	0.208	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
11097-69-1	Aroclor-1254	ND	0.104	0.208	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
11096-82-5	Aroclor-1260	ND	0.104	0.208	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
37324-23-5	Aroclor-1262	ND	0.104	0.208	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
11100-14-4	Aroclor-1268	ND	0.104	0.208	ug/L	1	10/21/13 06:00	10/23/13 17:13/JAM	EPA 8081A/8082	U
Surrogate: Tetrachloro-m-xylene				*67.3 %*	*30-150*		*10/21/13 06:00*	*10/23/13 17:13/JAM*	*EPA 8081A/8082*	
Surrogate: Tetrachloro-m-xylene				*62.9 %*	*30-150*		*10/21/13 06:00*	*10/23/13 17:13/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*59.8 %*	*30-150*		*10/21/13 06:00*	*10/23/13 17:13/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*50.9 %*	*30-150*		*10/21/13 06:00*	*10/23/13 17:13/JAM*	*EPA 8081A/8082*	

Total Metals by EPA Method SW846 6010B

Sample Prepared by Method:EPA 3005A

7429-90-5	**Aluminum**	**413**	200	200	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	
7440-36-0	Antimony	ND	5.00	5.00	ug/L	1	10/17/13 08:36	10/22/13 13:21/LIT	EPA 6010B	U
7440-38-2	Arsenic	ND	3.00	3.00	ug/L	1	10/17/13 08:36	10/22/13 13:21/LIT	EPA 6010B	U
7440-39-3	**Barium**	**69.1**	7.50	7.50	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	
7440-41-7	Beryllium	ND	1.00	1.00	ug/L	1	10/17/13 08:36	10/22/13 13:21/LIT	EPA 6010B	U
7440-43-9	Cadmium	ND	4.00	4.00	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	U
7440-70-2	**Calcium**	**146000**	1000	1000	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	
7440-47-3	Chromium	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	U
7440-48-4	Cobalt	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	U
7440-50-8	Copper	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	U
7439-89-6	**Iron**	**6520**	300	300	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	
7439-92-1	Lead	ND	5.00	5.00	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	U

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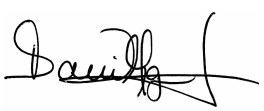

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-1

Lab ID: 1301858-01 (Ground Water)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Total Metals by EPA Method SW846 6010B										
7439-95-4	**Magnesium**	**118000**	500	500	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	
7439-96-5	**Manganese**	**2620**	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	
7440-02-0	Nickel	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	U
7440-09-7	**Potassium**	**6440**	500	500	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	
7782-49-2	Selenium	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	U
7440-22-4	Silver	ND	5.00	5.00	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	U
7440-23-5	**Sodium**	**169000**	500	500	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	
7440-28-0	**Thallium**	**2.55**	2.00	2.00	ug/L	1	10/17/13 08:36	10/22/13 13:21/LIT	EPA 6010B	
7440-62-2	Vanadium	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	U
7440-66-6	Zinc	ND	25.0	25.0	ug/L	1	10/17/13 08:39	10/21/13 19:28/LIT	EPA 6010B	U
Dissolved Metals by EPA Method SW846 6010B										
Sample Prepared by Method:EPA 3005A										
7429-90-5	Aluminum (diss)	ND	200	200	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	U
7440-36-0	Antimony (diss)	ND	5.00	5.00	ug/L	1	10/18/13 07:34	10/22/13 11:05/LIT	EPA 6010B	U
7440-38-2	Arsenic (diss)	ND	3.00	3.00	ug/L	1	10/18/13 07:34	10/22/13 11:05/LIT	EPA 6010B	U
7440-39-3	**Barium (diss)**	**58.6**	7.50	7.50	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	
7440-41-7	Beryllium (diss)	ND	1.00	1.00	ug/L	1	10/18/13 07:34	10/22/13 11:05/LIT	EPA 6010B	U
7440-70-2	**Calcium (diss)**	**142000**	1000	1000	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	
7440-47-3	Chromium (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	U
7440-48-4	Cobalt (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	U
7440-50-8	Copper (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	U
7439-89-6	Iron (diss)	ND	300	300	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	U
7439-95-4	**Magnesium (diss)**	**114000**	500	500	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	
7439-96-5	**Manganese (diss)**	**2470**	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	
7440-02-0	Nickel (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	U
7440-09-7	**Potassium (diss)**	**6080**	500	500	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	
7782-49-2	Selenium (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-1

Lab ID: 1301858-01 (Ground Water)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Dissolved Metals by EPA Method SW846 6010B										
7440-22-4	Silver (diss)	ND	5.00	5.00	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	U
7440-23-5	**Sodium (diss)**	**168000**	500	500	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	
7440-28-0	**Thallium (diss)**	**2.41**	2.00	2.00	ug/L	1	10/18/13 07:34	10/22/13 11:05/LIT	EPA 6010B	
7440-62-2	Vanadium (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	U
7440-66-6	Zinc (diss)	ND	25.0	25.0	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	U
7440-43-9	Cadmium (diss)	ND	4.00	4.00	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	U
7439-92-1	**Lead (diss)**	**9.80**	5.00	5.00	ug/L	1	10/18/13 07:49	10/21/13 17:00/LIT	EPA 6010B	
Total Mercury by SW846 7470										
Sample Prepared by Method:EPA 7470A										
7439-97-6	Mercury	ND	0.500	0.500	ug/L	1	10/17/13 08:33	10/18/13 07:33/STM	EPA 7470A	U
7439-97-6	Dissolved Mercury	ND	0.500	0.500	ug/L	1	10/18/13 07:32	10/18/13 13:31/STM	EPA 7470A	U
Wet Chemistry										
Sample Prepared by Method:SM 4500CN C										
NA	Cyanide (total)	ND	0.0200	0.0200	mg/L	1	10/18/13 10:40	10/18/13 16:12/JAD	SM 4500CN E	

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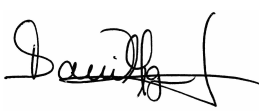

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-2

Lab ID: 1301858-02 (Ground Water)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5030B

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	6.00	10.0	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	2.00	10.0	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
67-64-1	**Acetone**	**3.12**	1.00	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	B
75-71-8	Dichlorodifluoromethane	ND	1.00	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	1.00	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	1.00	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	1.00	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	1.00	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	1.00	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	0.400	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	0.400	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
75-09-2	Methylene Chloride	ND	0.400	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
156-60-5	trans-1,2-Dichloroethene	ND	0.400	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	0.400	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	0.400	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	0.400	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
78-93-3	2-Butanone	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
156-59-4	cis-1,2-Dichloroethene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	3.00	10.0	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
107-06-2	1,2-Dichloroethane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
71-43-2	Benzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-2

Lab ID: 1301858-02 (Ground Water)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
78-87-5	1,2-Dichloropropane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
108-88-3	Toluene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	1.00	2.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	1.00	2.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
100-42-5	Styrene	ND	1.00	2.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
103-65-1	n-Propyl Benzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
108-86-1	Bromobenzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-2

Lab ID: 1301858-02 (Ground Water)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Volatile Organic Compounds EPA Method SW846 8260										
98-06-6	tert-Butylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
135-98-8	sec-Butylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
99-87-6	p-Isopropyltoluene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	1.00	2.00	ug/L	1	10/22/13 16:19	10/22/13 16:19/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*97 %*	*76-114*		*10/22/13 16:19*	*10/22/13 16:19/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*97 %*	*88-110*		*10/22/13 16:19*	*10/22/13 16:19/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*94 %*	*86-115*		*10/22/13 16:19*	*10/22/13 16:19/SCS*	*EPA 8260B*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3510C GCMS										
62-75-9	N-Nitrosodimethylamine	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
108-95-2	Phenol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
106-46-7	1,4-Dichlorobenzene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
100-51-6	Benzyl alcohol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U

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Daniel Miguel, Technical Director

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Lab ID: 1301858-02 (Ground Water)

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Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
106-44-5	3 & 4-Methylphenol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	2.02	5.05	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
91-20-3	Naphthalene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
106-47-8	4-Chloroaniline	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
91-57-6	2-Methylnaphthylene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
77-47-4	Hexachlorocyclopentadiene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
88-06-2	2,4,6-Trichlorophenol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
208-96-8	Acenaphthylene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
99-09-2	3-Nitroaniline	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
83-32-9	Acenaphthene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
51-28-5	2,4-Dinitrophenol	ND	1.01	5.05	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
132-64-9	Dibenzofuran	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
606-20-2	2,6-Dinitrotoluene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U

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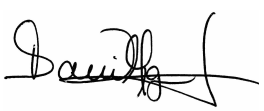

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Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-2

Lab ID: 1301858-02 (Ground Water)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
121-14-2	2,4-Dinitrotoluene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
86-73-7	Fluorene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
100-01-6	4-Nitroaniline	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
85-01-8	Phenanthrene	ND	0.101	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
120-12-7	Anthracene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
84-74-2	Di-n-butyl phthalate	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
206-44-0	Fluoranthene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
129-00-0	Pyrene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
85-68-7	Butylbenzylphthalate	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
56-55-3	Benzo[a]anthracene	ND	0.101	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
218-01-9	Chrysene	ND	0.101	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
117-84-0	Di-n-octyl phthalate	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
205-99-2	Benzo[b]fluoranthene	ND	0.202	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
207-08-9	Benzo[k]fluoranthene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
50-32-8	Benzo[a]pyrene	ND	0.101	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.505	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.202	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
191-24-2	Benzo[ghi]perylene	ND	0.101	2.53	ug/L	1	10/21/13 06:00	10/22/13 18:43/JMM	EPA 8270C	U
Surrogate: 2-Fluorophenol				*52 %*	*21-100*		*10/21/13 06:00*	*10/22/13 18:43/JMM*	*EPA 8270C*	

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Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-2

Lab ID: 1301858-02 (Ground Water)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
Surrogate: Phenol-d5				*32 %*	*10-94*		*10/21/13 06:00*	*10/22/13 18:43/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*94 %*	*35-114*		*10/21/13 06:00*	*10/22/13 18:43/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*97 %*	*43-116*		*10/21/13 06:00*	*10/22/13 18:43/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*137 %*	*10-123*		*10/21/13 06:00*	*10/22/13 18:43/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*84 %*	*33-141*		*10/21/13 06:00*	*10/22/13 18:43/JMM*	*EPA 8270C*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3510C										
319-84-6	alpha-BHC	ND	0.00435	0.00435	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
319-85-7	beta-BHC	ND	0.00435	0.00435	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
319-86-8	delta-BHC	ND	0.00435	0.00435	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.00435	0.00435	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
76-44-8	Heptachlor	ND	0.00435	0.00435	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
309-00-2	Aldrin	ND	0.00435	0.00435	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.00435	0.00435	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
959-98-8	Endosulfan I	ND	0.00435	0.00435	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
60-57-1	Dieldrin	ND	0.00870	0.00870	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
72-55-9	4,4'-DDE	ND	0.00870	0.00870	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
72-20-8	Endrin	ND	0.00870	0.00870	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
33213-65-9	Endosulfan II	ND	0.00870	0.00870	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
72-54-8	4,4'-DDD	ND	0.00870	0.00870	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
1031-07-8	Endosulfan sulfate	ND	0.00870	0.00870	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
50-29-3	4,4'-DDT	ND	0.00870	0.00870	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
72-43-5	Methoxychlor	ND	0.0435	0.0435	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
53494-70-5	Endrin ketone	ND	0.00870	0.0870	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
7421-93-4	Endrin aldehyde	ND	0.00870	0.0870	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
5103-71-9	alpha-Chlordane	ND	0.00435	0.00435	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
5566-34-7	gamma-Chlordane	ND	0.00435	0.00435	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
8001-35-2	Toxaphene	ND	0.217	0.217	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U

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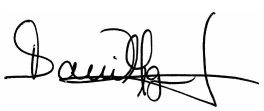

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10/25/2013 11:29

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Lab ID: 1301858-02 (Ground Water)

Accredited Analytical Resources LLC

EPA Method SW846 8081/8082

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
12674-11-2	Aroclor-1016	ND	0.109	0.217	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
11104-28-2	Aroclor-1221	ND	0.109	0.217	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
11141-16-5	Aroclor-1232	ND	0.109	0.217	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
53469-21-9	Aroclor-1242	ND	0.109	0.217	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
12672-29-6	Aroclor-1248	ND	0.109	0.217	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
11097-69-1	Aroclor-1254	ND	0.109	0.217	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
11096-82-5	Aroclor-1260	ND	0.109	0.217	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
37324-23-5	Aroclor-1262	ND	0.109	0.217	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
11100-14-4	Aroclor-1268	ND	0.109	0.217	ug/L	1	10/21/13 06:00	10/23/13 17:48/JAM	EPA 8081A/8082	U
Surrogate: Tetrachloro-m-xylene				*70.1 %*	*30-150*		*10/21/13 06:00*	*10/23/13 17:48/JAM*	*EPA 8081A/8082*	
Surrogate: Tetrachloro-m-xylene				*66.0 %*	*30-150*		*10/21/13 06:00*	*10/23/13 17:48/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*66.9 %*	*30-150*		*10/21/13 06:00*	*10/23/13 17:48/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*57.7 %*	*30-150*		*10/21/13 06:00*	*10/23/13 17:48/JAM*	*EPA 8081A/8082*	

Total Metals by EPA Method SW846 6010B

Sample Prepared by Method:EPA 3005A

7429-90-5	**Aluminum**	**243**	200	200	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	
7440-36-0	**Antimony**	**16.6**	5.00	5.00	ug/L	1	10/17/13 08:36	10/22/13 12:40/LIT	EPA 6010B	
7440-38-2	**Arsenic**	**16.6**	3.00	3.00	ug/L	1	10/17/13 08:36	10/22/13 12:40/LIT	EPA 6010B	
7440-39-3	**Barium**	**143**	7.50	7.50	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	
7440-41-7	**Beryllium**	**15.6**	1.00	1.00	ug/L	1	10/17/13 08:36	10/22/13 12:40/LIT	EPA 6010B	
7440-43-9	Cadmium	ND	4.00	4.00	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	U
7440-70-2	**Calcium**	**201000**	1000	1000	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	
7440-47-3	Chromium	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	U
7440-48-4	Cobalt	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	U
7440-50-8	Copper	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	U
7439-89-6	**Iron**	**9300**	300	300	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	
7439-92-1	**Lead**	**5.19**	5.00	5.00	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	

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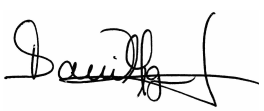

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-2

Lab ID: 1301858-02 (Ground Water)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Total Metals by EPA Method SW846 6010B										
7439-95-4	**Magnesium**	**120000**	500	500	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	
7439-96-5	**Manganese**	**3750**	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	
7440-02-0	Nickel	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	U
7440-09-7	**Potassium**	**8670**	500	500	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	
7782-49-2	Selenium	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	U
7440-22-4	Silver	ND	5.00	5.00	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	U
7440-23-5	**Sodium**	**101000**	500	500	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	
7440-28-0	**Thallium**	**15.7**	2.00	2.00	ug/L	1	10/17/13 08:36	10/22/13 12:40/LIT	EPA 6010B	
7440-62-2	Vanadium	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	U
7440-66-6	Zinc	ND	25.0	25.0	ug/L	1	10/17/13 08:39	10/21/13 18:53/LIT	EPA 6010B	U
Dissolved Metals by EPA Method SW846 6010B										
Sample Prepared by Method:EPA 3005A										
7429-90-5	Aluminum (diss)	ND	200	200	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	U
7440-36-0	Antimony (diss)	ND	5.00	5.00	ug/L	1	10/18/13 07:34	10/22/13 10:35/LIT	EPA 6010B	U
7440-38-2	Arsenic (diss)	ND	3.00	3.00	ug/L	1	10/18/13 07:34	10/22/13 10:35/LIT	EPA 6010B	U
7440-39-3	**Barium (diss)**	**111**	7.50	7.50	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	
7440-41-7	Beryllium (diss)	ND	1.00	1.00	ug/L	1	10/18/13 07:34	10/22/13 10:35/LIT	EPA 6010B	U
7440-70-2	**Calcium (diss)**	**190000**	1000	1000	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	
7440-47-3	Chromium (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	U
7440-48-4	Cobalt (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	U
7440-50-8	Copper (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	U
7439-89-6	Iron (diss)	ND	300	300	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	U
7439-95-4	**Magnesium (diss)**	**114000**	500	500	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	
7439-96-5	**Manganese (diss)**	**3500**	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	
7440-02-0	Nickel (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	U
7440-09-7	**Potassium (diss)**	**8280**	500	500	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	
7782-49-2	Selenium (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	U

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-2

Lab ID: 1301858-02 (Ground Water)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Dissolved Metals by EPA Method SW846 6010B										
7440-22-4	Silver (diss)	ND	5.00	5.00	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	U
7440-23-5	**Sodium (diss)**	**98300**	500	500	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	
7440-28-0	Thallium (diss)	ND	2.00	2.00	ug/L	1	10/18/13 07:34	10/22/13 10:35/LIT	EPA 6010B	U
7440-62-2	Vanadium (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	U
7440-66-6	Zinc (diss)	ND	25.0	25.0	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	U
7440-43-9	Cadmium (diss)	ND	4.00	4.00	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	U
7439-92-1	Lead (diss)	ND	5.00	5.00	ug/L	1	10/18/13 07:49	10/21/13 16:25/LIT	EPA 6010B	U
Total Mercury by SW846 7470										
Sample Prepared by Method:EPA 7470A										
7439-97-6	Mercury	ND	0.500	0.500	ug/L	1	10/17/13 08:33	10/18/13 07:35/STM	EPA 7470A	U
7439-97-6	Dissolved Mercury	ND	0.500	0.500	ug/L	1	10/18/13 07:32	10/18/13 13:33/STM	EPA 7470A	U
Wet Chemistry										
Sample Prepared by Method:SM 4500CN C										
NA	Cyanide (total)	ND	0.0200	0.0200	mg/L	1	10/18/13 10:40	10/18/13 16:12/JAD	SM 4500CN E	

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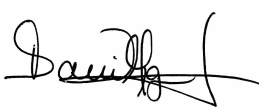

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-3

Lab ID: 1301858-03 (Ground Water)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

Sample Prepared by Method:EPA 5030B

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
107-02-8	Acrolein	ND	6.00	10.0	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	2.00	10.0	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
67-64-1	Acetone	ND	1.00	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
75-71-8	Dichlorodifluoromethane	ND	1.00	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	1.00	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	1.00	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	1.00	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	1.00	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	1.00	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	0.400	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	0.400	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
75-09-2	**Methylene Chloride**	**0.980**	0.400	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	J, B
156-60-5	trans-1,2-Dichloroethene	ND	0.400	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	0.400	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	0.400	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	0.400	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
78-93-3	2-Butanone	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
156-59-4	cis-1,2-Dichloroethene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	3.00	10.0	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
107-06-2	1,2-Dichloroethane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
71-43-2	Benzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-3

Lab ID: 1301858-03 (Ground Water)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
78-87-5	1,2-Dichloropropane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
108-88-3	Toluene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	1.00	2.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	1.00	2.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
100-42-5	Styrene	ND	1.00	2.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
103-65-1	n-Propyl Benzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
108-86-1	Bromobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-3

Lab ID: 1301858-03 (Ground Water)

Accredited Analytical Resources LLC

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Volatile Organic Compounds EPA Method SW846 8260										
98-06-6	tert-Butylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
135-98-8	sec-Butylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
99-87-6	p-Isopropyltoluene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	1.00	2.00	ug/L	1	10/22/13 19:07	10/22/13 19:07/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*106 %*	*76-114*		*10/22/13 19:07*	*10/22/13 19:07/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*98 %*	*88-110*		*10/22/13 19:07*	*10/22/13 19:07/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*101 %*	*86-115*		*10/22/13 19:07*	*10/22/13 19:07/SCS*	*EPA 8260B*	
Semivolatile Organic Compounds EPA Method SW846 8270										
Sample Prepared by Method:EPA 3510C GCMS										
62-75-9	N-Nitrosodimethylamine	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
108-95-2	Phenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
111-44-4	bis(2-chloroethyl)ether	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
95-57-8	2-Chlorophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
541-73-1	1,3-Dichlorobenzene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
106-46-7	1,4-Dichlorobenzene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
100-51-6	Benzyl alcohol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
95-50-1	1,2-Dichlorobenzene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
95-48-7	2-Methylphenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
39638-32-9	bis(2-chloroisopropyl)ether	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U

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Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-3

Lab ID: 1301858-03 (Ground Water)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
106-44-5	3 & 4-Methylphenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
621-64-7	N-Nitroso-di-n-propylamine	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
67-72-1	Hexachloroethane	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
98-95-3	Nitrobenzene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
78-59-1	Isophorone	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
88-75-5	2-Nitrophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
105-67-9	2,4-Dimethylphenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
65-85-0	Benzoic acid	ND	2.17	5.43	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
111-91-1	bis(2-chloroethoxy)methane	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
120-83-2	2,4-Dichlorophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
91-20-3	Naphthalene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
106-47-8	4-Chloroaniline	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
87-68-3	Hexachlorobutadiene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
59-50-7	4-Chloro-3-methylphenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
91-57-6	2-Methylnaphthylene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
77-47-4	Hexachlorocyclopentadiene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
88-06-2	2,4,6-Trichlorophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
95-95-4	2,4,5-Trichlorophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
91-58-7	2-Chloronaphthalene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
88-74-4	2-Nitroaniline	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
131-11-3	Dimethylphthalate	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
208-96-8	Acenaphthylene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
99-09-2	3-Nitroaniline	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
83-32-9	Acenaphthene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
51-28-5	2,4-Dinitrophenol	ND	1.09	5.43	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
100-02-7	4-Nitrophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
132-64-9	Dibenzofuran	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
606-20-2	2,6-Dinitrotoluene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U

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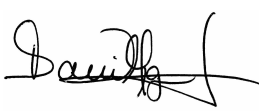

Daniel Miguel, Technical Director

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-3

Lab ID: 1301858-03 (Ground Water)

Accredited Analytical Resources LLC

Semivolatile Organic Compounds EPA Method SW846 8270

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
121-14-2	2,4-Dinitrotoluene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
84-66-2	Diethyl phthalate	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
7005-72-3	4-Chlorophenyl-phenylether	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
86-73-7	Fluorene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
100-01-6	4-Nitroaniline	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
86-30-6	N-Nitrosodiphenylamine	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
101-55-3	4-Bromophenyl-phenylether	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
118-74-1	Hexachlorobenzene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
87-86-5	Pentachlorophenol	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
85-01-8	Phenanthrene	ND	0.109	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
120-12-7	Anthracene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
84-74-2	Di-n-butyl phthalate	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
206-44-0	Fluoranthene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
129-00-0	Pyrene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
85-68-7	Butylbenzylphthalate	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
91-94-1	3,3'-Dichlorobenzidine	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
56-55-3	Benzo[a]anthracene	ND	0.109	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
117-81-7	bis(2-ethylhexyl)phthalate	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
218-01-9	Chrysene	ND	0.109	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
117-84-0	Di-n-octyl phthalate	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
205-99-2	Benzo[b]fluoranthene	ND	0.217	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
207-08-9	Benzo[k]fluoranthene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
50-32-8	Benzo[a]pyrene	ND	0.109	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.543	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.217	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
191-24-2	Benzo[ghi]perylene	ND	0.109	2.72	ug/L	1	10/21/13 06:00	10/22/13 19:30/JMM	EPA 8270C	U
Surrogate: 2-Fluorophenol				*54 %*	*21-100*		*10/21/13 06:00*	*10/22/13 19:30/JMM*	*EPA 8270C*	

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Daniel Miguel, Technical Director

Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-3

Lab ID: 1301858-03 (Ground Water)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
	Accredited Analytical Resources LLC									
Semivolatile Organic Compounds EPA Method SW846 8270										
Surrogate: Phenol-d5				*34 %*	*10-94*		*10/21/13 06:00*	*10/22/13 19:30/JMM*	*EPA 8270C*	
Surrogate: Nitrobenzene-d5				*86 %*	*35-114*		*10/21/13 06:00*	*10/22/13 19:30/JMM*	*EPA 8270C*	
Surrogate: 2-Fluorobiphenyl				*91 %*	*43-116*		*10/21/13 06:00*	*10/22/13 19:30/JMM*	*EPA 8270C*	
Surrogate: 2,4,6-Tribromophenol				*142 %*	*10-123*		*10/21/13 06:00*	*10/22/13 19:30/JMM*	*EPA 8270C*	
Surrogate: Terphenyl-d14				*88 %*	*33-141*		*10/21/13 06:00*	*10/22/13 19:30/JMM*	*EPA 8270C*	
EPA Method SW846 8081/8082										
Sample Prepared by Method:EPA 3510C										
319-84-6	alpha-BHC	ND	0.00426	0.00426	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
319-85-7	beta-BHC	ND	0.00426	0.00426	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
319-86-8	delta-BHC	ND	0.00426	0.00426	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
58-89-9	gamma-BHC [Lindane]	ND	0.00426	0.00426	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
76-44-8	Heptachlor	ND	0.00426	0.00426	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
309-00-2	Aldrin	ND	0.00426	0.00426	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
1024-57-3	Heptachlor Epoxide	ND	0.00426	0.00426	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
959-98-8	Endosulfan I	ND	0.00426	0.00426	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
60-57-1	Dieldrin	ND	0.00851	0.00851	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
72-55-9	4,4'-DDE	ND	0.00851	0.00851	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
72-20-8	Endrin	ND	0.00851	0.00851	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
33213-65-9	Endosulfan II	ND	0.00851	0.00851	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
72-54-8	4,4'-DDD	ND	0.00851	0.00851	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
1031-07-8	Endosulfan sulfate	ND	0.00851	0.00851	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
50-29-3	4,4'-DDT	ND	0.00851	0.00851	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
72-43-5	Methoxychlor	ND	0.0426	0.0426	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
53494-70-5	Endrin ketone	ND	0.00851	0.0851	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
7421-93-4	Endrin aldehyde	ND	0.00851	0.0851	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
5103-71-9	alpha-Chlordane	ND	0.00426	0.00426	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
5566-34-7	gamma-Chlordane	ND	0.00426	0.00426	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
8001-35-2	Toxaphene	ND	0.213	0.213	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U

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40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-3

Lab ID: 1301858-03 (Ground Water)

Accredited Analytical Resources LLC

EPA Method SW846 8081/8082

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
12674-11-2	Aroclor-1016	ND	0.106	0.213	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
11104-28-2	Aroclor-1221	ND	0.106	0.213	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
11141-16-5	Aroclor-1232	ND	0.106	0.213	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
53469-21-9	Aroclor-1242	ND	0.106	0.213	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
12672-29-6	Aroclor-1248	ND	0.106	0.213	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
11097-69-1	Aroclor-1254	ND	0.106	0.213	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
11096-82-5	Aroclor-1260	ND	0.106	0.213	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
37324-23-5	Aroclor-1262	ND	0.106	0.213	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
11100-14-4	Aroclor-1268	ND	0.106	0.213	ug/L	1	10/21/13 06:00	10/23/13 18:23/JAM	EPA 8081A/8082	U
Surrogate: Tetrachloro-m-xylene				*54.9 %*	*30-150*		*10/21/13 06:00*	*10/23/13 18:23/JAM*	*EPA 8081A/8082*	
Surrogate: Tetrachloro-m-xylene				*53.9 %*	*30-150*		*10/21/13 06:00*	*10/23/13 18:23/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*59.3 %*	*30-150*		*10/21/13 06:00*	*10/23/13 18:23/JAM*	*EPA 8081A/8082*	
Surrogate: Decachlorobiphenyl				*51.1 %*	*30-150*		*10/21/13 06:00*	*10/23/13 18:23/JAM*	*EPA 8081A/8082*	

Total Metals by EPA Method SW846 6010B

Sample Prepared by Method:EPA 3005A

7429-90-5	**Aluminum**	**2050**	200	200	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	
7440-36-0	Antimony	ND	5.00	5.00	ug/L	1	10/17/13 08:36	10/22/13 13:27/LIT	EPA 6010B	U
7440-38-2	Arsenic	ND	3.00	3.00	ug/L	1	10/17/13 08:36	10/22/13 13:27/LIT	EPA 6010B	U
7440-39-3	**Barium**	**94.6**	7.50	7.50	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	
7440-41-7	Beryllium	ND	1.00	1.00	ug/L	1	10/17/13 08:36	10/22/13 13:27/LIT	EPA 6010B	U
7440-43-9	Cadmium	ND	4.00	4.00	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	U
7440-70-2	**Calcium**	**68700**	1000	1000	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	
7440-47-3	Chromium	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	U
7440-48-4	Cobalt	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	U
7440-50-8	**Copper**	**11.5**	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	
7439-89-6	**Iron**	**4160**	300	300	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	
7439-92-1	**Lead**	**7.26**	5.00	5.00	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	

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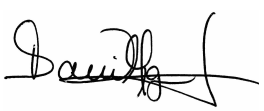

Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: GW-3

Lab ID: 1301858-03 (Ground Water)

Accredited Analytical Resources LLC

Total Metals by EPA Method SW846 6010B

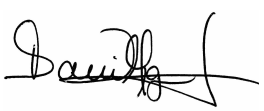
CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
7439-95-4	**Magnesium**	**49100**	500	500	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	
7439-96-5	**Manganese**	**1340**	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	
7440-02-0	**Nickel**	**11.1**	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	
7440-09-7	**Potassium**	**6620**	500	500	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	
7782-49-2	Selenium	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	U
7440-22-4	Silver	ND	5.00	5.00	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	U
7440-23-5	**Sodium**	**183000**	500	500	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	
7440-28-0	Thallium	ND	2.00	2.00	ug/L	1	10/17/13 08:36	10/22/13 13:27/LIT	EPA 6010B	U
7440-62-2	Vanadium	ND	10.0	10.0	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	U
7440-66-6	Zinc	ND	25.0	25.0	ug/L	1	10/17/13 08:39	10/21/13 19:34/LIT	EPA 6010B	U

Dissolved Metals by EPA Method SW846 6010B

Sample Prepared by Method:EPA 3005A

7429-90-5	Aluminum (diss)	ND	200	200	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	U
7440-36-0	Antimony (diss)	ND	5.00	5.00	ug/L	1	10/18/13 07:34	10/22/13 11:11/LIT	EPA 6010B	U
7440-38-2	Arsenic (diss)	ND	3.00	3.00	ug/L	1	10/18/13 07:34	10/22/13 11:11/LIT	EPA 6010B	U
7440-39-3	**Barium (diss)**	**65.1**	7.50	7.50	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	
7440-41-7	Beryllium (diss)	ND	1.00	1.00	ug/L	1	10/18/13 07:34	10/22/13 11:11/LIT	EPA 6010B	U
7440-70-2	**Calcium (diss)**	**61900**	1000	1000	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	
7440-47-3	Chromium (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	U
7440-48-4	Cobalt (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	U
7440-50-8	Copper (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	U
7439-89-6	Iron (diss)	ND	300	300	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	U
7439-95-4	**Magnesium (diss)**	**43900**	500	500	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	
7439-96-5	**Manganese (diss)**	**1180**	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	
7440-02-0	Nickel (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	U
7440-09-7	**Potassium (diss)**	**5190**	500	500	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	
7782-49-2	Selenium (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	U

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

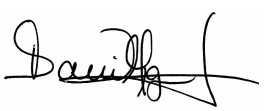
Reported:
10/25/2013 11:29

Client ID: GW-3

Lab ID: 1301858-03 (Ground Water)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
				Accredited Analytical Resources LLC						
Dissolved Metals by EPA Method SW846 6010B										
7440-22-4	Silver (diss)	ND	5.00	5.00	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	U
7440-23-5	**Sodium (diss)**	**171000**	500	500	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	
7440-28-0	Thallium (diss)	ND	2.00	2.00	ug/L	1	10/18/13 07:34	10/22/13 11:11/LIT	EPA 6010B	U
7440-62-2	Vanadium (diss)	ND	10.0	10.0	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	U
7440-66-6	Zinc (diss)	ND	25.0	25.0	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	U
7440-43-9	Cadmium (diss)	ND	4.00	4.00	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	U
7439-92-1	Lead (diss)	ND	5.00	5.00	ug/L	1	10/18/13 07:49	10/21/13 17:06/LIT	EPA 6010B	U
Total Mercury by SW846 7470										
Sample Prepared by Method:EPA 7470A										
7439-97-6	Mercury	ND	0.500	0.500	ug/L	1	10/17/13 08:33	10/18/13 07:25/STM	EPA 7470A	U
7439-97-6	Dissolved Mercury	ND	0.500	0.500	ug/L	1	10/18/13 07:32	10/18/13 13:22/STM	EPA 7470A	U
Wet Chemistry										
Sample Prepared by Method:SM 4500CN C										
NA	Cyanide (total)	ND	0.0200	0.0200	mg/L	1	10/18/13 10:40	10/18/13 16:12/JAD	SM 4500CN E	

Accredited Analytical Resources LLC



Daniel Miguel, Technical Director

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: TB

Lab ID: 1301858-04 (Ground Water)

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
Accredited Analytical Resources LLC										
Volatile Organic Compounds EPA Method SW846 8260										
Sample Prepared by Method:EPA 5030B										
107-02-8	Acrolein	ND	6.00	10.0	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
107-13-1	Acrylonitrile	ND	2.00	10.0	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
67-64-1	Acetone	ND	1.00	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
75-71-8	Dichlorodifluoromethane	ND	1.00	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
74-87-3	Chloromethane	ND	1.00	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
75-01-4	Vinyl chloride	ND	1.00	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
74-83-9	Bromomethane	ND	1.00	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
75-00-3	Chloroethane	ND	1.00	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
75-69-4	Trichlorofluoromethane	ND	1.00	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
75-35-4	1,1-Dichloroethene	ND	0.400	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
75-15-0	Carbon disulfide	ND	0.400	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
75-09-2	**Methylene Chloride**	**1.19**	0.400	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	B
156-60-5	trans-1,2-Dichloroethene	ND	0.400	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
75-34-3	1,1-Dichloroethane	ND	0.400	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
108-05-4	Vinyl acetate	ND	0.400	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
590-20-7	2,2-Dichloropropane	ND	0.400	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
78-93-3	2-Butanone	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
156-59-4	cis-1,2-Dichloroethene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
67-66-3	Chloroform	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
74-97-5	Bromochloromethane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
71-55-6	1,1,1-Trichloroethane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
75-65-0	t-Butyl alcohol	ND	3.00	10.0	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
563-58-6	1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
56-23-5	Carbon Tetrachloride	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
107-06-2	1,2-Dichloroethane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
71-43-2	Benzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
79-01-6	Trichloroethene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U

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JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: TB

Lab ID: 1301858-04 (Ground Water)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
78-87-5	1,2-Dichloropropane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
75-27-4	Bromodichloromethane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
74-95-3	Dibromomethane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
110-75-8	2-Chloroethyl vinyl ether	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
108-88-3	Toluene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
79-00-5	1,1,2-Trichloroethane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
106-93-4	1,2-Dibromoethane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
591-78-6	2-Hexanone	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
142-28-9	1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
127-18-4	Tetrachloroethene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
124-48-1	Dibromochloromethane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
100-41-4	Ethylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
108-90-7	Chlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
108-38-3/106-4	m,p-Xylenes	ND	1.00	2.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
95-47-6	o-Xylene	ND	1.00	2.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
100-42-5	Styrene	ND	1.00	2.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
75-25-2	Bromoform	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
98-82-8	Isopropylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
96-18-4	1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
103-65-1	n-Propyl Benzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
108-86-1	Bromobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
95-49-8	2-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
106-43-4	4-Chlorotoluene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U

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Accredited Analytical Resources, LLC.

JOY CONSTRUCTION CORP.
40 Fulton St. 21st Fl.
New York NY, 10038

Project: Crotona Terrace
Project Manager: Doug Harm

Reported:
10/25/2013 11:29

Client ID: TB

Lab ID: 1301858-04 (Ground Water)

Accredited Analytical Resources LLC

Volatile Organic Compounds EPA Method SW846 8260

CAS #	Analyte	Result	MDL	RL	Units	Dilution	Prepared Date	Analyzed Date/By	Method	Notes
98-06-6	tert-Butylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
135-98-8	sec-Butylbenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
99-87-6	p-Isopropyltoluene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
541-73-1	1,3-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
106-46-7	1,4-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
104-51-8	n-Butyl Benzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
95-50-1	1,2-Dichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
87-68-3	Hexachlorobutadiene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.500	1.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
1634-04-4	Methyl tert-Butyl Ether	ND	1.00	2.00	ug/L	1	10/22/13 19:40	10/22/13 19:40/SCS	EPA 8260B	U
Surrogate: 1,2-Dichloroethane-d4				*100 %*	*76-114*		*10/22/13 19:40*	*10/22/13 19:40/SCS*	*EPA 8260B*	
Surrogate: Toluene-d8				*97 %*	*88-110*		*10/22/13 19:40*	*10/22/13 19:40/SCS*	*EPA 8260B*	
Surrogate: Bromofluorobenzene				*98 %*	*86-115*		*10/22/13 19:40*	*10/22/13 19:40/SCS*	*EPA 8260B*	

Accredited Analytical Resources LLC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Daniel Miguel, Technical Director

ACCREDITED ANALYTICAL RESOURCES, LLC

20 PERSHING AVENUE
CARTERET, NEW JERSEY 07008
PHONE (732) 969-6112 FAX (732) 541-1383
accreditedanalytical.com

CHAIN OF CUSTODY FORM

STATE AGENCY NJ (NY) PA CT DE OTHER _____

CLIENT	Joy Construction
ADDRESS	40 Fulton Street, 21st Floor
CITY	New York
STATE	New York ZIP 10038
PROJECT	Crotona Terrace
CONTACT	Doug Hurm
PHONE	732-223-2225
FAX	732-223-3664
E-MAIL	dhurm@brinkerw.com

LABORATORY SAMPLE #	CLIENT FIELD ID	# OF CONTAINERS	MATRIX	PRESERVATIVE	DATE / TIME SAMPLED	SAMPLE DESCRIPTION: GRAB	COMPOSITE	DEPTH	ANALYSIS
1301858-01	GW-1	7	GW	1,2,5	10-15-13 1015	X			TAL/TCL with Filtered metals MTBE, TBA VOTIS, MTBE, TBA
02	GW-2	7			1053	X			
03	GW-3	7			1126	X			
04	TB	2				X			

** M = MATRIX CODE | S=SOIL G=SLUDGE O=OIL F=FILTER K=SOLID X=OTHER
GW=GROUND WATER WW=WASTE WATER SW=SURFACE WATER P=POTABLE WATER

TURNAROUND TIME: One week (IF BLANK, STD. 3 WEEKS)

RECIEVED W/ ICE? YES ☐ NO ☐ TEMPERATURE:

QA/QC DELIVERABLES (circle one): STD NJ REDUCED NJ FULL OTHER : NYASP Cat. A NYASP Cat. B

PRESERVATIVE CODE: 1=HCL 2=HNO_3 3=H_2SO_4 4=$Na_2S_2O_3$ 5=NaOH 6=MeOH 7=OTHER

RELINQUISHED BY: PRINT	RELINQUISHED BY: SIGN	RECEIVED BY: PRINT	RECEIVED BY: SIGN	ORGANIZATION	DATE	TIME	REASON
Duane Shinton		John Inwood		AAR	10/16/13	14:15	PLW
John Inwood		CMDodds		AAR	10/16/13	1600	Analysis

PERSON(S) ASSUMING RESPONSIBILITY FOR SAMPLING: PRINT: Duane Shinton SIGN:

COMMENTS: Invoice to Joy Construction
Analytical to Brinkerhoff attn: Doug Hurm
Metals to be filtered at Lab
Filtered metals analysis

AAR QUOTE #:
AAR CASE #: 1301858
P.O. #: 13BR171

See Reverse for Instructions

EPA TO-15 DATA PACKAGE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project#: Crotona Terrace — **Contract #: NA**
SDG #: E13-10160 — **NJDEP Certification#: 14751**
Date of first sample receipt: 10/18/2013 — **Date of last sample receipt: 10/18/2013**

Client: Brinkerhoff Environmental Services

Project/Site: Crotona Terrace/NY

Client Sample Number	Laboratory Sample	Sample Location	Date/Time of Collection
SV-1	E13-10160-01	NA	10/15/2013 9:04
SV-2	E13-10160-02	NA	10/15/2013 9:10
SV-3	E13-10160-03	NA	10/15/2013 9:17
SV-1 Dup	E13-10160-21	NA	10/15/2013 9:04

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of data contained in this hardcopy data package and in the computer-readable data submitted on CD/diskette and by electronic mail has been authorized by the laboratory manager or his designee, as verified by the following signature.

Michael H. Leftin, Ph.D.
Laboratory Director

Date: October 24, 2013

Lauren Jenkins
Air Division Quality Assurance Officer

Date: October 24, 2013

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project #: Crotona Terrace — **Contract#: NA**
SDG #: E13-10160 — **NJDEP Certification#: 14751**
Date of first sample receipt: 10/18/2013 — **Date of last sample receipt: 10/18/2013**

Client: Brinkerhoff Environmental Services
Project/Site: Crotona Terrace / NY

Client ID	Lab ID	Receipt Date	Analysis Date	DF	Diluted For
SV-1	E13-10160-01	10/18/2013	10/21/2013	1.0	NA
SV-2	E13-10160-02	10/18/2013	10/21/2013	1.0	NA
SV-3	E13-10160-03	10/18/2013	10/21/2013	1.0	NA
SV-1 Dup	E13-10160-21	10/18/2013	10/21/2013	1.0	NA

Sample Receipt: Samples were received in good condition. Documentation was in order. Samples were received at IAL by: Padraic Jenkins

Sample Preparation: None required.

Sample Analysis:

Hold Time: All within recommended hold times.

Instrument Calibration: Meets method criteria.

Analysis performed by: Jeff Schmitt

Analysis nonconformities: none

Tentatively Identified Compounds: Tentatively Identified Compounds (TICs) are determined using a NIST library search. TICs are reported at 10% of the applicable internal standard. Dilution factors are calculated into the final reported result. Since the compounds found are tentatively identified, the conversion from ppbv to ug/m3 may not be made.

Dilutions: Dilutions, if necessary, will be conducted directly on the instrument up to a 50x dilution. When dilutions of 100x to 50,000x are necessary, the laboratory must inject a volume of sample into another certified clean canister and add humidified Z-1 zero air to the remainder of the canister volume. Tedlar bags are not used for dilutions.

On-instrument dilutions are conducted as follows:

Dilution Factor	Sample Volume Injected
1	500ml
2.5	200ml
5	100ml
10	50ml
20	25ml
25	20ml
50	10ml

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project #: Crotona Terrace — **Contract#: NA**
SDG #: E13-10160 — **NJDEP Certification#: 14751**
Date of first sample receipt: 10/18/2013 — **Date of last sample receipt: 10/18/2013**

Client: Brinkerhoff Environmental Services
Project/Site: Crotona Terrace / NY

Canister-to-canister dilutions are conducted as follows:

A certified clean canister is obtained and evacuated to approximately -30"Hg. Both the clean/dilution canister and sample canister are fitted with a ¼" Swagelok® nut fitting equipped with septa. Depending on dilution factor necessary, a sample aliquot is removed from the canister and injected into the clean canister using 30cc Multifit gas-tight syringe. Once the correct sample aliquot has been transferred, the dilution canister should be connected to the humidified Z-1 zero air supply and filled to ambient pressure (0"Hg).

Dilution Factor	Sample Aliquot	Z-1 Make-up Added
100	60ml	5940ml
1000	6ml	5994ml

If further dilutions need to be made from the dilution canister, they may be made on-instrument. Using a 100x dilution canister, the following on-instrument dilutions can be produced:

Dilution Factor	Sample Volume Injected
100	500ml
250	200ml
500	100ml
1000	50ml
2000	25ml
2500	20ml
5000	10ml

Using a 1000x dilution canister, the following on-instrument dilutions can be produced:

Dilution Factor	Sample Volume Injected
1000	500ml
2500	200ml
5000	100ml
10,000	50ml
20,000	25ml
25,000	20ml
50,000	10ml

If further dilutions need to be made from the dilution canister, beyond 50,000x, a subsequent canister-to-canister dilution must be made using the above prescribed protocol.

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project #: Crotona Terrace — **Contract#: NA**
SDG #: E13-10160 — **NJDEP Certification#: 14751**
Date of first sample receipt: 10/18/2013 — **Date of last sample receipt: 10/18/2013**

Client: Brinkerhoff Environmental Services
Project/Site: Crotona Terrace / NY

GC Column and ID: Instrument AA: RTX-1 SN 1119138, Instrument AF: RTX-1 SN 869201

Calibration Standards: Only gas phase standards were used. Primary and second-source standards provided by Scott Specialty Gases / Air Liquide

Working Standards: Primary source standards are created from:
- Scott Gas Cylinder #AAL073524, valid 3/4/13 through 3/5/14
@ 100ppb per compound, with exception of m&p-xylenes @ 200ppb. Standard is directly introduced into the instrument for 40ppbv, 20ppbv, 10ppbv, and 2ppbv concentrations. Dilutions are made accordingly, on instrument, with humidified clean air. The 10ppbv standard is also used for the Daily Calibration Verification Standard (DCVS) and Closing Calibration Verification Standard (CCCVS)

On Instrument AF, a canister for the 0.20ppbv standard is prepared and contains a standard at 1ppbv (2ppbv m&p-xylenes). A 1:5 dilution is made from this canister. This same standard canister is used for the Reporting Limit Laboratory Control Sample (RLLCS).

On Instrument AA, the 0.20ppbv standard is diluted on instrument, using humidified clean air, from the primary source cylinder. This same process is used for the RLLCS.

The second source standard, used as the Initial Calibration Verification Standard (ICVSS) and Laboratory Control Sample (LCS), is introduced into the instrument in the same manner as the primary source standard, using:
- Scott Gas Cylinder #CC358741, valid 6/3/13 through 6/4/14.
@ 100ppb per compound, with exception of m&p-xylenes @ 200ppb.

Internal standards are created from:
- Scott Gas, Cylinder #ALM029426, valid 5/13/2013 through 5/14/2016 or
- Scott Gas, Cylinder #ALM037473, valid 1/9/2013 through 12/28/2013
@ 100ppb per compound. Standard is directly introduced into the instrument to reach the 10ppbv concentrations. 1:10 Dilutions are made on instrument with humidified clean air. 50ml of internal standard is added to every standard, method blank, instrument blank, and sample run.

10/03/2013

100 ppbv internal standard mix - prepared in cylinder #ALM012015
10 ppbv per standard/sample - 50 ml injected
100 ppbv calibration standard - prepared in cylinder #AAL073524.
40 ppbv standard - 200 ml injected
20 ppbv standard - 100 ml injected
10 ppbv standard* - 50 ml injected
*Standard also used for CCCVS
2 ppbv standard - 10 ml injected
1 ppbv calibration standard - prepared in canister #2885.

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project #: Crotona Terrace — **Contract#: NA**
SDG #: E13-10160 — **NJDEP Certification#: 14751**
Date of first sample receipt: 10/18/2013 — **Date of last sample receipt: 10/18/2013**

Client: Brinkerhoff Environmental Services
Project/Site: Crotona Terrace / NY

10/03/2013
0.20 ppbv standard* - 100 ml injected
*Standard also used for RLLCS

10/07/2013
100 ppbv internal standard mix - prepared in cylinder #ALM029426
10 ppbv per standard/sample - 50 ml injected
100 ppbv calibration standard - prepared in cylinder #AAL073524
40 ppbv standard - 200 ml injected
20 ppbv standard - 100 ml injected
10 ppbv standard* - 50 ml injected
*Standard also used for CCCVS
2 ppbv standard - 10 ml injected
0.20 ppbv standard* - 1 ml injected
*Standard also used for RLLCS

10/08/2013
100 ppbv internal standard mix - prepared in cylinder #ALM037473
10 ppbv per standard/sample - 50 ml injected
100 ppbv calibration standard - prepared in cylinder #AAL073524.
10 ppbv standard* - 50 ml injected
*Standard also used for DCVS & CCCVS
1 ppbv calibration standard - prepared in canister #2885.
0.20 ppbv standard* - 100 ml injected
*Standard also used for RLLCS
Method Blank - prepared in canister #3011.
500 ml injected

10/21/2013
100 ppbv internal standard mix - prepared in cylinder #ALM029426
10 ppbv per standard/sample - 50 ml injected
100 ppbv calibration standard - prepared in cylinder #AAL073524
10 ppbv standard* - 50 ml injected
*Standard also used for DCVS & CCCVS
0.20 ppbv standard* - 1 ml injected
*Standard also used for RLLCS
Method Blank - prepared in canister #SC0227
500 ml injected
Sample E13-10160-01 - sample taken in canister #3132
500 ml sample volume injected, 1x dilution
Sample E13-10160-02 - sample taken in canister #3003A
500 ml sample volume injected, 1x dilution
Sample E13-10160-03 - sample taken in canister #3289
500 ml sample volume injected, 1x dilution
Sample E13-10160-21 - sample taken in canister #3132
500 ml sample volume injected, 1x dilution

CASE NARRATIVE

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

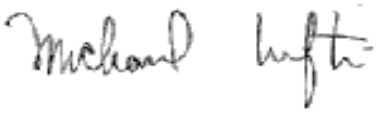
Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project #: Crotona Terrace — **Contract#: NA**
SDG #: E13-10160 — **NJDEP Certification#: 14751**
Date of first sample receipt: 10/18/2013 — **Date of last sample receipt: 10/18/2013**

Client: Brinkerhoff Environmental Services
Project/Site: Crotona Terrace / NY

10/21/2013

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. All conversions are based upon a room temperature of 77°F(25°C) and room pressure of 101.325 kPa (1atm).

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of data contained in this hardcopy data package and in the computer-readable data submitted on CD/diskette and by electronic mail has been authorized by the laboratory manager or his designee, as verified by the following signature.



Michael H. Leftin, Ph.D.
Laboratory Director

October 24, 2013
Date

CERTIFICATE OF ANALYSIS

ANALYTICAL DATA PACKAGE FOR THE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ALBANY NEW YORK 12233

Integrated Analytical Laboratories, LLC — **Randolph, NJ 07869**
Project#: Crotona Terrace — **Contract #: NA**
SDG #: E13-10160 — **NJDEP Certification#: 14751**
Date of first sample receipt: 10/18/2013 — **Date of last sample receipt: 10/18/2013**

Client: Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attention: Attention: Doug Harm

Project/Site: Crotona Terrace/NY

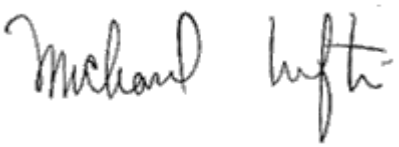
Analysis conducted at: Integrated Analytical laboratories, LLC
273 Franklin Road
Randolph, NJ 07869
Contact: Michael H. Leftin, Ph.D.

NJDEP number: 14751
ELAP lab number: 11402

Sample(s):
E13-10160-01
E13-10160-02
E13-10160-03
E13-10160-21

Samples for this analysis were received in good condition with a chain of custody.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. Once analysis has been performed on canisters that meets regulatory criteria, samples are recycled for future use, unless other provisions have been made by the client.



Michael H. Leftin, Ph.D.
Laboratory Director

Date: October 24, 2013

Integrated Analytical Laboratories LLC

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: Crotona Terrace
Site: NY

Report Date: 10/23/13
SDG Number: E13-10160
Date Received: 10/18/13
Date Analyzed: 10/21/13
Data File: AA7816
Summa ID: 3132

Analysis: Volatile Organic Compounds by EPA Method TO-15

Sample Name:		SV-1				Reporting Limits	
IAL ID:		E13-10160-01					
Compound	**CAS #**	**ppbv**		**ug/m3**		**ppbv**	**ug/m3**
Acetone	67-64-1	17		41		0.20	0.48
Benzene	71-43-2	ND		ND		0.20	0.64
Bromodichloromethane	75-27-4	0.29		1.9		0.20	1.3
Bromoform	75-25-2	ND		ND		0.20	2.1
Bromomethane	74-83-9	ND		ND		0.20	0.78
1,3-Butadiene	106-99-0	ND		ND		0.20	0.44
Chlorobenzene	108-90-7	ND		ND		0.20	0.92
Chloroethane	75-00-3	ND		ND		0.20	0.53
Chloroform	67-66-3	22		110		0.20	0.98
Chloromethane	74-87-3	ND		ND		0.20	0.41
Carbon disulfide	75-15-0	0.26		0.81		0.20	0.62
Carbon tetrachloride	56-23-5	0.04		0.25		0.04	0.25
Cyclohexane	110-82-7	ND		ND		0.20	0.69
Dibromochloromethane	124-48-1	ND		ND		0.20	1.7
1,2-Dibromoethane	106-93-4	ND		ND		0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND		ND		0.20	1.2
1,3-Dichlorobenzene	541-73-1	0.61		3.7		0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND		ND		0.20	1.2
Dichlorodifluoromethane	75-71-8	ND		ND		0.20	0.99
1,1-Dichloroethane	75-34-3	ND		ND		0.20	0.81
1,2-Dichloroethane	107-06-2	ND		ND		0.20	0.81
1,1-Dichloroethene	75-35-4	ND		ND		0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND		ND		0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND		ND		0.20	0.79
1,2-Dichloropropane	78-87-5	ND		ND		0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND		ND		0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND		ND		0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND		ND		0.20	1.4
1,4-Dioxane	123-91-1	ND		ND		0.20	0.72
Ethylbenzene	100-41-4	0.56		2.4		0.20	0.87
n-Heptane	142-82-5	0.20		0.82		0.20	0.82
1,3-Hexachlorobutadiene	87-68-3	ND		ND		0.20	2.1
n-Hexane	110-54-3	0.22		0.78		0.20	0.71
Methylene chloride	75-09-2	ND		ND		0.20	0.70
Methyl ethyl ketone	78-93-3	ND		ND		0.20	0.59
Methyl isobutyl ketone	108-10-1	ND		ND		0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND		ND		0.20	0.72
Styrene	100-42-5	ND		ND		0.20	0.85
Tert-butyl alcohol	75-65-0	0.32		0.97		0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND		ND		0.20	1.4
Tetrachloroethene	127-18-4	0.28		1.9		0.20	1.4
Toluene	108-88-3	2.4		8.9		0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND		ND		0.20	1.5
1,1,1-Trichloroethane	71-55-6	ND		ND		0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND		ND		0.20	1.1
Trichloroethene	79-01-6	ND		ND		0.05	0.25
Trichlorofluoromethane	75-69-4	0.27		1.5		0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND		ND		0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	1.7		8.5		0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.20		0.98		0.20	0.98
2,2,4-Trimethylpentane	540-84-1	ND		ND		0.20	0.93
Vinyl bromide	593-60-2	ND		ND		0.20	0.87
Vinyl chloride	75-01-4	ND		ND		0.20	0.51
Xylenes (m&p)	179601-23-1	2.1		9.0		0.20	0.87
Xylenes (o)	95-47-6	0.83		3.6		0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Integrated Analytical Laboratories LLC

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: Crotona Terrace
Site: NY

Report Date: 10/23/13
SDG Number: E13-10160
Date Received: 10/18/13
Date Analyzed: 10/21/13
Data File: AA7818
Summa ID: 3003A

Analysis: Volatile Organic Compounds by EPA Method TO-15

Sample Name:		SV-2		Reporting Limits	
IAL ID:		E13-10160-02			
Compound	**CAS #**	**ppbv**	**ug/m3**	**ppbv**	**ug/m3**
Acetone	67-64-1	35	82	0.20	0.48
Benzene	71-43-2	0.24	0.77	0.20	0.64
Bromodichloromethane	75-27-4	ND	ND	0.20	1.3
Bromoform	75-25-2	ND	ND	0.20	2.1
Bromomethane	74-83-9	ND	ND	0.20	0.78
1,3-Butadiene	106-99-0	ND	ND	0.20	0.44
Chlorobenzene	108-90-7	0.44	2.0	0.20	0.92
Chloroethane	75-00-3	ND	ND	0.20	0.53
Chloroform	67-66-3	0.50	2.4	0.20	0.98
Chloromethane	74-87-3	ND	ND	0.20	0.41
Carbon disulfide	75-15-0	0.29	0.90	0.20	0.62
Carbon tetrachloride	56-23-5	ND	ND	0.04	0.25
Cyclohexane	110-82-7	0.36	1.2	0.20	0.69
Dibromochloromethane	124-48-1	ND	ND	0.20	1.7
1,2-Dibromoethane	106-93-4	ND	ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1	ND	ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1	1.0	6.1	0.20	1.2
1,4-Dichlorobenzene	106-46-7	ND	ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.56	2.8	0.20	0.99
1,1-Dichloroethane	75-34-3	ND	ND	0.20	0.81
1,2-Dichloroethane	107-06-2	ND	ND	0.20	0.81
1,1-Dichloroethene	75-35-4	ND	ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2	ND	ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5	ND	ND	0.20	0.79
1,2-Dichloropropane	78-87-5	ND	ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5	ND	ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6	ND	ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2	ND	ND	0.20	1.4
1,4-Dioxane	123-91-1	ND	ND	0.20	0.72
Ethylbenzene	100-41-4	1.3	5.8	0.20	0.87
n-Heptane	142-82-5	1.4	5.9	0.20	0.82
1,3-Hexachlorobutadiene	87-68-3	ND	ND	0.20	2.1
n-Hexane	110-54-3	0.99	3.5	0.20	0.71
Methylene chloride	75-09-2	0.52	1.8	0.20	0.70
Methyl ethyl ketone	78-93-3	1.3	3.8	0.20	0.59
Methyl isobutyl ketone	108-10-1	ND	ND	0.20	0.82
Methyl tert-butyl ether	1634-04-4	ND	ND	0.20	0.72
Styrene	100-42-5	ND	ND	0.20	0.85
Tert-butyl alcohol	75-65-0	1.3	3.9	0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5	ND	ND	0.20	1.4
Tetrachloroethene	127-18-4	0.47	3.2	0.20	1.4
Toluene	108-88-3	5.0	19	0.20	0.75
1,2,4-Trichlorobenzene	120-82-1	ND	ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6	ND	ND	0.20	1.1
1,1,2-Trichloroethane	79-00-5	ND	ND	0.20	1.1
Trichloroethene	79-01-6	ND	ND	0.05	0.25
Trichlorofluoromethane	75-69-4	2.0	11	0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6	1.4	6.9	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8	0.24	1.2	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	0.27	1.3	0.20	0.93
Vinyl bromide	593-60-2	ND	ND	0.20	0.87
Vinyl chloride	75-01-4	ND	ND	0.20	0.51
Xylenes (m&p)	179601-23-1	4.3	19	0.20	0.87
Xylenes (o)	95-47-6	1.8	7.7	0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Integrated Analytical Laboratories LLC

Summary of Results

Brinkerhoff Environmental Services
1805 Atlantic Avenue
Manasquan, NJ 08736
Attn: Doug Harm
Project: Crotona Terrace
Site: NY

Report Date: 10/23/13
SDG Number: E13-10160
Date Received: 10/18/13
Date Analyzed: 10/21/13
Data File: AA7819
Summa ID: 3289

Analysis: Volatile Organic Compounds by EPA Method TO-15

	Sample Name:	SV-3				Reporting Limits	
	IAL ID:	E13-10160-03					
Compound	**CAS #**	**ppbv**		**ug/m3**		**ppbv**	**ug/m3**
Acetone	67-64-1	30		70		0.20	0.48
Benzene	71-43-2		ND		ND	0.20	0.64
Bromodichloromethane	75-27-4		ND		ND	0.20	1.3
Bromoform	75-25-2		ND		ND	0.20	2.1
Bromomethane	74-83-9		ND		ND	0.20	0.78
1,3-Butadiene	106-99-0		ND		ND	0.20	0.44
Chlorobenzene	108-90-7		ND		ND	0.20	0.92
Chloroethane	75-00-3		ND		ND	0.20	0.53
Chloroform	67-66-3		ND		ND	0.20	0.98
Chloromethane	74-87-3		ND		ND	0.20	0.41
Carbon disulfide	75-15-0		ND		ND	0.20	0.62
Carbon tetrachloride	56-23-5	0.06		0.38		0.04	0.25
Cyclohexane	110-82-7	0.72		2.5		0.20	0.69
Dibromochloromethane	124-48-1		ND		ND	0.20	1.7
1,2-Dibromoethane	106-93-4		ND		ND	0.20	1.5
1,2-Dichlorobenzene	95-50-1		ND		ND	0.20	1.2
1,3-Dichlorobenzene	541-73-1		ND		ND	0.20	1.2
1,4-Dichlorobenzene	106-46-7		ND		ND	0.20	1.2
Dichlorodifluoromethane	75-71-8	0.49		2.4		0.20	0.99
1,1-Dichloroethane	75-34-3		ND		ND	0.20	0.81
1,2-Dichloroethane	107-06-2		ND		ND	0.20	0.81
1,1-Dichloroethene	75-35-4		ND		ND	0.20	0.79
1,2-Dichloroethene (cis)	156-59-2		ND		ND	0.20	0.79
1,2-Dichloroethene (trans)	156-60-5		ND		ND	0.20	0.79
1,2-Dichloropropane	78-87-5		ND		ND	0.20	0.92
1,3-Dichloropropene (cis)	10061-01-5		ND		ND	0.20	0.91
1,3-Dichloropropene (trans)	10061-02-6		ND		ND	0.20	0.91
1,2-Dichlorotetrafluoroethane	76-14-2		ND		ND	0.20	1.4
1,4-Dioxane	123-91-1		ND		ND	0.20	0.72
Ethylbenzene	100-41-4	6.3		27		0.20	0.87
n-Heptane	142-82-5	21		87		0.20	0.82
1,3-Hexachlorobutadiene	87-68-3		ND		ND	0.20	2.1
n-Hexane	110-54-3	26		90		0.20	0.71
Methylene chloride	75-09-2	7.2		25		0.20	0.70
Methyl ethyl ketone	78-93-3	1.8		5.2		0.20	0.59
Methyl isobutyl ketone	108-10-1	0.32		1.3		0.20	0.82
Methyl tert-butyl ether	1634-04-4		ND		ND	0.20	0.72
Styrene	100-42-5		ND		ND	0.20	0.85
Tert-butyl alcohol	75-65-0	2.0		6.1		0.20	0.61
1,1,2,2-Tetrachloroethane	79-34-5		ND		ND	0.20	1.4
Tetrachloroethene	127-18-4	0.23		1.6		0.20	1.4
Toluene	108-88-3	19		72		0.20	0.75
1,2,4-Trichlorobenzene	120-82-1		ND		ND	0.20	1.5
1,1,1-Trichloroethane	71-55-6		ND		ND	0.20	1.1
1,1,2-Trichloroethane	79-00-5		ND		ND	0.20	1.1
Trichloroethene	79-01-6		ND		ND	0.05	0.25
Trichlorofluoromethane	75-69-4	0.45		2.5		0.20	1.1
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1		ND		ND	0.20	1.5
1,2,4-Trimethylbenzene	95-63-6		ND		ND	0.20	0.98
1,3,5-Trimethylbenzene	108-67-8		ND		ND	0.20	0.98
2,2,4-Trimethylpentane	540-84-1	0.24		1.1		0.20	0.93
Vinyl bromide	593-60-2		ND		ND	0.20	0.87
Vinyl chloride	75-01-4		ND		ND	0.20	0.51
Xylenes (m&p)	179601-23-1	19		81		0.20	0.87
Xylenes (o)	95-47-6	4.6		20		0.20	0.87

D = Extra dilution required for this compound

Analyst: J. Schmitt

Integrated Analytical Labs
273 Franklin Road
Randolph, NJ 07869

External Chain of Custody Record/ Field Test Data Sheet USEPA Method TO-15

10160

Contact Us: 973 361-4252
fax: 973 366-5613
Web: www.ialonline.com

Client Contact Information	Project Information	Carrier (check one): ✓ IAL Courier ___ Client Courier ___ FedEx/UPS	pg 1 of 1
Company: Brinkerhoff	Project Name: Crotona Terrace	Invoice Information	Analysis / Report / Matrix
Address: 1805 Atlantic Ave	Project Location (State): New York	Attn: Doug Harm	
Manasquan, NJ 08736	Project Manager: Doug Harm	Address: Brinkerhoff	
Phone: 732-223-2225	PM Signature: for Doug Harm		
Fax: 732-223-2225	PM E-Mail: dharm@brinkenv.com	PO #: 13BR171	
Report to: Doug Harm	Sampler: Duane Shinton	Quote #: BO 3515	

Analysis Turnaround Time - IF NO TAT IS SPECIFIED, 2 WEEK TAT IS ASSUMED

Barometric Pressure

IAL Standard: 2 weeks (10 business days)

Rush (**pre-approved by lab): 24hr** 48hr** 72hr** 96hr** 1wk**

Sample Identification	Start DATE & TIME (24hr Clock)	End DATE & TIME (24hr Clock)	Starting Vacuum ("Hg)	Ending Vacuum ("Hg)	Starting Temp (°F)	Ending Temp (°F)	Outgoing Vacuum - Lab ("Hg)	Start: Incoming Vacuum - Lab ("Hg)	Start: Flow Regulator ID	Stop: Canister ID	Canister Size (1L or 6L)	Flow Controller Readout (cc/min)	EPA TO - 15	NJDEP LLTO-15 (includes 30 TICs)	Library Search (10, 20, or 30 TICs)	Other (Explain in Comments)	Regulatory/ NY Cat B / Full (NJ Required)	Reduced / NY Cat A Data Package	Results Only	Indoor Air	Ambient / Outdoor Air	Sub Slab / Soil Gas / Near Slab (Circle One)	Stack Emission / SVE System	High Concentrations Expected
SV-1	10-15-13 0904	10-15-13 1155	-30	-2	62	69	-29	-2	40150597-3	3132	6	33.3	X						X			X		
SV-2	10-15-13 0910	10-15-13 1159	-30	-2	62	69	-29	-1	40150597-9	3003	6	33.3	X						X			X		
SV-3	10-15-13 0917	10-15-13 1146	-28	-2	62	69	-29	-2	31447042	3284	6	32.3	X						X			X		

Comments/ Special Analysis Instructions / QC Requirements:

Note: Hold or contingent samples may be designated by writing an "H" or "C" in the appropriate analysis box.

ALL FIELDS IN RED ARE REQUIRED

Shipping Information / Canister Preparation (for laboratory use only)

Individual Preparing Canisters / Title: P. Jenkins, J. Walukiewicz / Air Department Sample Custodians

Lab Affixed Seal Number(s): Lab-20130502

Date/Time Shipping Container Sealed: 10/11/13 16:45

Laboratory Canister Certification

GC/MS Analyst Signature

IAL 10160

External Chain of Custody

Relinquished	Received	Date / Time	Reason for Change of External Custody
Joseph J. Walukiewicz III		10/11/13 16:45	shipment from laboratory to client
		10/17/13 1033	
		10/17/13 1550	
		10/18/13 800	reset ext on 2.

Name/Title Resealing Shipping Container Name:

Date/Time Sample Shipping Container Resealed:

Date/Time Sample Shipping Container Opened:

NJDEP Affixed Seal Number:

Individual Opening Sample Shipping Container: Padraic Jenkins / Joseph Walukiewicz

Date/Time Internal Chain of Custody Initiated:

WHITE AND YELLOW - LAB COPIES; PINK - CLIENT COPY

Use appropriate care with IAL sampling equipment when sampling and packing for shipment. The client is responsible for all damage incurred to IAL equipment. Notify IAL if equipment is damaged upon receipt. Holding time before sampling is 15 days, after sampling is 30 days; failure to follow these guidelines may result in data rejection by regulatory agencies. The lab will contact you if your COC is not clear, incomplete, or if discrepancies exist. The use of initials is not permitted on the COC except when correcting errors.

05/2012