2211 THIRD AVENUE

MANHATTAN, NEW YORK

Remedial Investigation Report

NYC BCP Site Number: 12CBCP037M
E-Designation Site Number: 12EHAZ218M

Prepared for:

2211 Third Avenue, LLC
c/o Tahl Property Equities
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Prepared by:

EBC
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1808 Middle Country Road
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December 2011

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC 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

CERTIFICATION

I, Charles Sosik, 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 2211 Third Avenue Site, (NYC BCP Site No. site number). 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.

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 2211 Third Avenue, Harlem New York and is identified as Block 1785, Lots 43, 46 and 146 on the New York City Tax Map (**Figure 1**). The Site is 17,661 square feet (0.405 acres) and is bounded by Third Avenue to the north, a commercial property to the south, E. 121st Street to the east, and a multi-family residential apartment building to the west. A map of the site boundary is shown in **Figure 2**. Currently, the Site is a vacant lot.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 12 story residential building. The building will include affordable residential units and first floor retail space or community center space. The building will also include a basement , which will require excavation to approximately 10 feet below grade. The layout of the proposed site development is presented in **Figure 3**. The current zoning designation is C4-4D for lot 46 and R7A for lots 43 and 146. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Each of the three lots comprising the subject site was developed prior to 1896 with four-story row houses. Lot 46 was redeveloped prior to 1911 with a large four story building with basement which was utilized as a department store, furniture store and several other commercial uses until it was demolished in 2008. The four-story row houses on Lots 146 and 43 remained in place until the late 1970's/early 1980's. The upper floors were likely utilized as residential apartments, and the first floor of both buildings as small stores.

The AOCs identified for this site include:

- Historic fill is approximately between 7 to 15 feet below grade.

Summary of the Work Performed under the Remedial Investigation

2211 Third Ave LLC performed the following scope of work:

- Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
- Installed 9 soil borings across the entire project Site, and collected 12 soil samples for chemical analysis from the soil borings to evaluate soil quality;
- Installed 5 groundwater monitoring wells throughout the Site to establish groundwater flow and collected 5 groundwater samples for chemical analysis to evaluate groundwater quality;
- Installed 4 soil vapor probes around Site perimeter and collected 4 samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property is approximately 16 feet above sea level.
2. Depth to groundwater ranges from 12 to 15 feet at the Site.
3. Groundwater flow is generally from west to east beneath the Site.
4. The stratigraphy of the site, from the surface down, consists of urban fill, which was primarily comprised of brick, concrete, wood and other debris in a brown silty-sand matrix. The layer of urban fill extended to a depth ranging from of approximately 7 to 15 feet below grade.
5. Soil/fill samples collected during the RI showed several SVOCs that were reported included 6 PAH at a concentration above their corresponding Track 1 Unrestricted Use soil cleanup objective (SCO) and Track 2 Restricted Residential SCOs in 4 of 12 soil samples. PCBs were not detected in soil samples. Pesticide exceedences of Track 1 SCOs were limited to 4,4,4-DDT and alpha-chlordane and gamma-chlordane. No pesticide

exceeded Track 2 Restricted Residential SCOs in soil samples. Most pesticide detections at the site were reported within the shallow soil samples (0-2 feet below grade). The metals detected above Track 1 SCOs include lead, mercury, zinc, nickel, copper, chromium and arsenic. Only one metal in one sample, arsenic, exceeded Track 2 Restricted Residential SCOs, and that exceedence was marginal (16.7 ppm versus 16 ppm standard). No TCE or PCE were detected in any soil samples. No soil samples exceeded Track 2 Restricted Residential SCOs for VOCs. Two VOCs, acetone and methylene chloride were observed above Track 1 SCOs. These two parameters were identified in every soil sample at relatively constant concentrations. Overall, these findings are unremarkable and constitute light soil contamination that is consistent with historic fill observed in many other properties in NYC. No soil contaminant source area was observed in this study.

6. Groundwater samples collected during the RI showed no VOCs, SVOCs, pesticides or PCBs above groundwater quality standards (GQS) in any of the samples. Several metals, including magnesium, manganese and sodium were reported above groundwater standards. These metals are common indicators of saline intrusion and the observed values represent offsite influences that are not caused by contaminant sources onsite. None of the parameters that were observed above Track 1 SCOs in soil were identified in groundwater above GQS. These results confirm that there is no contaminant source area on this property.

7. Soil vapor samples collected during the RI showed low-level detections of petroleum hydrocarbon VOCs in all four samples. Chlorinated hydrocarbons were also detected including tetrachloroethene (PCE) which was reported in three of the four soil gas samples at concentrations ranging from 4.9 to 27 ug/m3. These concentrations are well below the NYS Department of Health sub-slab maximum guidance level of 1,000 ug/m3, and significantly below the Departments indoor air guidance level of 100ug/m3. TCE was not detected in soil vapor. The VOCs detected in soil vapor were not detected in either soil or groundwater and are attributed to off site sources.

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REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

2211 Third Avenue, LLC has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 17,661 square feet (0.405 acres) site located at 2211 Third Avenue in Harlem section of Manhattan, New York. Residential use is proposed for the property. The RI work was performed between August 9th and August 18th, 2011. 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 2211 Third Avenue, Harlem New York and is identified as Block 1785, Lots 43, 46 and 146 on the New York City Tax Map (**Figure 1**). The Site is 17,661 square feet (0.405 acres) and is bounded by Third Avenue to the north, a commercial property to the south, E. 121st Street to the east, and a multi-family residential apartment building to the west. A map of the site boundary is shown in **Figure 2**. Currently, the Site is a vacant lot.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 12 story residential building. The building will include affordable residential units and first floor retail space or community center space. The building will also include a basement which will require excavation to approximately 10 feet below grade. The layout of the proposed site development is presented in **Figure 3**. The current zoning designation is C4-4D for lot 46 and R7A for lots 43 and 146. The proposed use is consistent with existing zoning for the property.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

A summary of the uses of the surrounding/adjacent properties is described below.

Surrounding Property Usage

Direction	Property Description
North – Opposite side of East 121st Street.	Block 1786, Lot 1 (2233 Third Avenue) – Corner lot that was redeveloped in 2008 with a new 12-story residential apartment building. Block 1786, Lot 104 (207 East 121st Street) – Developed with a small one-story brick building used as a house of worship (church). Block 1786, Lot 5 (211 East 121st Street) – A small thin lot (25' by 91') that was redeveloped in 2008 with a new 2-story commercial/office building. Block 1786, Lot 6 (213 East 121st Street) – A small thin lot (25' by 101') entirely developed with a four-story industrial/manufacturing building. Block 1786, Lot 7 (215 East 121st Street) – A 50' by 100' lot developed with a six-story residential apartment building.
South – Adjacent Property	Block 1785, Lots 2, 3 and 4 (2209 Third Avenue) – Three lots combined and redeveloped in 2009 with a new 12 story residential apartment building with first floor commercial space.
East – Adjacent property	Block 1785, Lot 42 (218 East 121st Street) – Developed with a 1-story metal warehouse building that occupies the entire footprint of the lot.
West – Opposite side of 3rd Avenue	Block 1769, Lot 7501 (2212 Third Avenue) – Developed with a six-story commercial and office space building. The first floor of the building is currently occupied and used by a grocery store (Associated).

Figure 4 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 PAST USES

Each of the three lots comprising the subject site was developed prior to 1896 with four-story row houses. Lot 46 was redeveloped prior to 1911 with a large four story building with basement which was utilized as a department store, furniture store and several other commercial uses until it was demolished in 2008. The four-story row houses on Lots 146 and 43 remained in place until the late 1970's/early 1980's. The upper floors were likely utilized as residential apartments, and the first floor of both buildings as small stores.

2.2 PREVIOUS INVESTIGATIONS

EBC performed a Phase I Environmental Site Assessment at the subject Site in October 2011. Historical information (DOB records, Sanborn Maps and City Directory listings) reviewed for the Site indicated each of the three lots comprising the subject site was developed prior to 1896 with four-story row houses. Lot 46 was redeveloped in 1910 with a large four-story building with basement which was utilized as a department store, furniture store and several other commercial uses until it was demolished in 2008. The four-story row houses on Lots 146 and 43 remained in place until the late 1970's/early 1980's. The upper floors were likely utilized as residential apartments, and the first floor of both buildings were used as small stores.

The Phase I did not identify any recognized environmental conditions in connection with the Site. However, EBC concluded that additional work was necessary to properly close out a 3,000 gallon No. 2 fuel oil underground storage tank which may be located beneath the sidewalk of East 121st Street.

A Phase II Subsurface Investigation Report (Phase II) was prepared by P.W. Grosser Consulting, Inc. (PWGC) in January of 2007, on behalf of Third Rail Development, LLC (prior property owner). The purpose of the investigation was to identify and characterize potential contaminants within the surface/subsurface soils and groundwater at the site for purposes of satisfying the hazardous materials “E” Designation (E-114) assigned to the to the subject property as part of

the East Harlem Rezoning (CEQR # 03DCP025M). The Phase II was performed on two of the three lots that comprise the subject site (Lots 46 and 43) and two additional lots (Lot 42 and 39) that are not considered a part of this assessment. The Phase II consisted of a Geophysical Survey and the installation of nine soil borings. The geophysical survey detected no UST-like anomalies. Three of the nine soil borings were performed on Lot 46 and two were performed on Lot 146.

One of the soil borings performed on Lot 46 (B3) contained elevated concentrations of semi-volatile organic compounds (SVOCs) within a soil sample collected from approximately 10 to 12 feet below grade. Several elevated concentrations of SVOCs were also reported within the shallow soil sample collected from the same soil boring, but at concentrations much lower than the deep soil sample. From the 5 soil borings performed at the site, PWGC collected only one groundwater sample. The groundwater sample contained both toluene (23 µg/L) and chrysene (9 µg/L) at a concentration above their corresponding NYSDEC Groundwater Quality Standard.

2.3 SITE INSPECTION

Mr. Dominick Mosca of EBC performed the site inspection on Monday, October 24, 2011, beginning at approximately 11:00 am. The reconnaissance included a visual inspection of the subject site lot, the sidewalk along East 121st Street and 3rd Avenue, and the exterior of adjacent properties.

At the time of the inspection, all three lots comprising the subject site were combined to form one large undeveloped lot. The large lot was bordered with an 8 foot high chain link fence and plywood fence along 3rd Avenue and East 121st Street. A gate in the chain link fence was located at the curb cut along 3rd Avenue. The site consisted of a bare soil cover. A long pile of construction debris, consisting of concrete, brick, wood, electric wire, etc. was formed along the northern property boundary, up against the fence along East 121st Street. The front portion of the lot appeared to be used for parking.

The adjacent property to the east consisted of a one-story domed corrugated metal building. The adjacent property to the south was recently redeveloped with a 12-story apartment building with

first floor commercial space. A stairwell on the north side of the building provided access to the basement of this adjacent building.

2.4 AREAS OF CONCERN

The AOCs identified for this site include:

- Historic fill is approximately between 7 to 15 feet below grade.

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3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Charles B. Sosik, P.G.

3.2 HEALTH AND SAFETY

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

3.3 MATERIALS MANAGEMENT

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

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4.0 REMEDIAL INVESTIGATION ACTIVITIES

2211 Third Ave LLC performed the following scope of work:

- Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
- Installed 9 soil borings across the entire project Site, and collected 12 soil samples for chemical analysis from the soil borings to evaluate soil quality;
- Installed 5 groundwater monitoring wells throughout the Site to establish groundwater flow and collected 5 groundwater samples for chemical analysis to evaluate groundwater quality;
- Installed 4 soil vapor probes around Site perimeter and collected 4 samples for chemical analysis.

4.1 GEOPHYSICAL INVESTIGATION

A geophysical survey was performed during a previous investigation (PWGC 1/07) utilizing both ground-penetrating radar (GPR) and electromagnetic (EM) methods to investigate the subsurface. The geophysical survey detected no UST-like anomalies.

4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

A total of nine soil borings (B1-B7, and T1 and T2) were performed in the approximate locations shown on **Figure 5**. The seven soil boring locations (B1-B7) were chosen to gain representative soil and groundwater quality information across the site, while the other two soil boring locations (T1 and T2) were performed near the 3,000-gallon No. 2 fuel oil storage underground storage tank which is believed to be located beneath the East 121st Street sidewalk.

For each of the nine soil borings, soil samples were collected continuously from grade to a final depth of 15 feet below existing grade using a five-foot steel macro-core sampler with acetate

liners and Geoprobe direct-push equipment. Soil recovered from each of the soil borings were field screened for the presence of VOCs with a photo-ionization detector (PID) and visually inspected for evidence of contamination. No PID readings above background concentrations were obtained from any of the soil borings.

Based on the final excavation depth required for construction of the new building (approximately 10 feet below grade), one soil sample was retained from each soil boring representing the interval 0 to 2 feet below grade and one soil sample was retained from each soil boring representing the interval 10-13 feet below grade. Soil samples were not retained for laboratory analysis from the two soil borings performed near the underground storage tank (T1 and T2) because no evidence of petroleum contamination was encountered and the native soil encountered in both soil borings does not represent on site soil quality.

Boring logs, prepared by a qualified environmental professional are attached in Appendix A. A map showing the location of soil borings and monitor wells is shown in **Figure 5**.

Groundwater Monitoring Well Construction

A temporary 1-inch diameter pvc well with 10 feet of 0.010 slot screen was installed at borings B1, B4, B5, B6 and B7 and set to intersect the water table. Since groundwater was encountered at approximately 14 feet below grade, monitoring wells were installed to a depth of 19 feet.

Monitor well locations are shown in **Figure 5**. Soil boring and monitoring well details are provided in **Table 1**.

Survey

Soil borings and wells were located to the nearest 0.10 foot with respect to two or more permanent site features.

4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

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

Soil Sampling

Twelve soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in **Tables 2** through **5**. All soil samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis to ALS Environmental (ALS) of 34 Dogwood Lane, Middletown, PA, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11759). All soil samples were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs-BN) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and target analyte list (TAL) metals. Laboratories and analytical methods are shown below.

Groundwater Sampling

Five groundwater samples were collected for chemical analysis during this RI. Groundwater samples were collected by installing a one-inch diameter PVC well, 5-feet below the water table interface (set at approximately 14 to 19 feet below grade). A groundwater sample was then collected from each temporary well utilizing dedicated polyethylene tubing and a peristaltic pump. Groundwater samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted to ALS for analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and TAL metals.

Groundwater sample collection data is reported in **Tables 6** through **9**. Sampling logs with information on purging and sampling of groundwater monitor wells is included in **Appendix B**. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Four soil vapor implants were installed on August 1, 2011, using Geoprobe™ equipment and tooling. The approximate location of each of the soil vapor implants are shown on **Figure 5**. The vapor implants that were installed were the Geoprobe™ Model AT86 series, which are constructed of a 6-inch length of double woven stainless steel wire. The implants were installed to a depth of 8 feet below grade at all locations. Each implant was attached to ¼ inch polyethylene tubing which extended approximately 18 inches beyond that needed to reach the surface. The tubing was capped with a ¼ inch plastic end to prevent the infiltration of foreign particles into the tube. Coarse sand was placed around the vapor implant to a height of approximately 1 foot above the bottom of the implant. The remainder of the borehole was sealed with a bentonite slurry to the surface.

Sub-slab soil gas sampling was performed on August 18, 2011, after each sampling location was tested to ensure a proper surface seal that been obtained. In accordance with NYSDOH guidance (NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005), a tracer gas (helium) was used as a quality assurance/quality control device to verify the integrity of the sampling point seal prior to collecting the samples. Prior to testing and collecting samples, the surface immediately surrounding the polyethylene tubing of the vapor implant was sealed using a 1 foot ft by 1 ft square sheet of 2 mil HDPE plastic firmly adhered to a wetted layer of granular bentonite. The seal was then tested by enriching the air space above the seal with a tracer gas (helium) while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-Gas Detector) for a minimum of 15 minutes. The tracer gas test procedure was employed at all four sub-slab soil gas sampling locations. No surface seal leaks were observed at any of the locations.

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe and tube) of air was purged from the implant using a calibrated vacuum pump. After purging, a 6-liter Summa® canister, fitted with a 2-hour flow regulator, was attached to the surface tube of each of the four vapor implants. Prior to initiating sample collection, sample identification, canister number, date and start time were recorded on tags attached to each canister and in a bound field note book. Sampling then proceeded by fully opening the flow control valve on each canister in turn. Immediately after opening the flow control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field book and on the sample tag. When the vacuum level in the canister was between 5 and 8 inches of mercury (approx 2 hours), the flow controller valve was closed, and the final vacuum recorded in the field notebook and on the sample tag.

The soil gas Sample identification, date, start time, start vacuum, end time and end vacuum were recorded on tags attached to each canister and on a sample log sheet (**Appendix C**). Samples were submitted to York Analytical Laboratories, Inc. of Stratford, CT, a NYS Certified Environmental Laboratory (Certification No.10854) for laboratory analysis of VOCs EPA Method TO-15.

Soil gas results are presented in **Table 10**. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by ALS Environmental Laboratories and York Analytical Laboratories
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI are NYS ELAP certified and were ALS Environmental Laboratories and York Analytical Laboratories

Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

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

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Stratigraphy

Subsurface soil at the site consisted of urban fill, which was primarily comprised of brick, concrete, wood and other debris in a brown silty-sand matrix. The layer of urban fill extended to a depth ranging from ground surface to approximately 7 to 15 feet below grade.

Hydrogeology

Groundwater was encountered at a depth of approximately 12 to 15 feet below grade. Regional groundwater flow is east toward the Harlem River though it may be influenced by subsurface structures such as subway tunnels, building foundations and utility conduits which extend to the depth of the water table.

5.2 SOIL SAMPLING RESULTS

A summary table of data for chemical analyses performed on soil samples is included in **Tables 2** through **5**. Results were compared to NYSDEC unrestricted and restricted residential soil cleanup objectives (SCOs) as presented in part 375-6 and CP51. A copy of the laboratory report is provided in **Appendix D**.

Soil/fill samples collected during the RI showed several SVOCs that were reported included 6 PAH at a concentration above their corresponding Track 1 Unrestricted Use soil cleanup objective (SCO) and Track 2 Restricted Residential SCOs in 4 of 12 soil samples. PCBs were not detected in soil samples. Pesticide exceedences of Track 1 SCOs were limited to 4,4,4-DDT and alpha-chlordane and gamma-chlordane. No pesticide exceeded Track 2 Restricted Residential SCOs in soil samples. Most pesticide detections at the site were reported within the shallow soil samples (0-2 feet below grade). The metals detected above Track 1 SCOs include lead, mercury, zinc, nickel, copper, chromium and arsenic. Only one metal in one sample, arsenic, exceeded Track 2 Restricted Residential SCOs, and that exceedence was marginal (16.7 ppm versus 16 ppm standard). No TCE or PCE were detected in any soil samples. No soil samples exceeded

Track 2 Restricted Residential SCOs for VOCs. Two VOCs, acetone and methylene chloride were observed above Track 1 SCOs. These two parameters were identified in every soil sample at relatively constant concentrations. Overall, these findings are unremarkable and constitute light soil contamination that is consistent with historic fill observed in many other properties in NYC. No soil contaminant source area was observed in this study.

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

5.3 GROUNDWATER SAMPLING RESULTS

Groundwater results were compared to the New York State Ambient Water Quality Standards and Guidance Values (6 NYCRR Part 703) as presented in the Technical & Operational Guidance Series (TOGS) 1.1.1 (1998). Analytical data for the groundwater samples are summarized in **Table 5** (VOCs), **Table 6** (SVOCs), **Table 7** (Pesticides & PCBs) and **Table 8** (metals). A copy of the laboratory analytical report is provided in **Appendix D**.

Groundwater samples collected during the RI showed no VOCs, SVOCs, pesticides or PCBs above groundwater quality standards (GQS) in any of the samples. Several metals, including magnesium, manganese and sodium were reported above groundwater standards. These metals are common indicators of saline intrusion and the observed values represent offsite influences that are not caused by contaminant sources onsite. None of the parameters that were observed above Track 1 SCOs in soil were identified in groundwater above GQS. These results confirm that there is no contaminant source area on this property.

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

5.4 SOIL VAPOR SAMPLING RESULTS

The results of the sub-slab soil gas sampling reported low-level detections of common petroleum VOCs in all four samples. Tetrachloroethene (PCE) was reported in three of the four soil gas

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samples at concentrations ranging from 4.9 to 27 ug/m^3. These concentrations are well below the NYS Department of Health sub-slab maximum guidance level of 1,000 ug/m^3, and significantly below the Departments indoor air guidance level of 100ug/m^3. A summary of the results is provided in are included in **Table 10**. The laboratory report is attached in **Appendix D**.

Soil vapor samples collected during the RI showed low-level detections of petroleum hydrocarbon VOCs in all four samples. Chlorinated hydrocarbons were also detected including tetrachloroethene (PCE) which was reported in three of the four soil gas samples at concentrations ranging from 4.9 to 27 ug/m3. These concentrations are well below the NYS Department of Health sub-slab maximum guidance level of 1,000 ug/m3, and significantly below the Departments indoor air guidance level of 100ug/m3. TCE was not detected in soil vapor. The VOCs detected in soil vapor were not detected in either soil or groundwater and are attributed to off site sources.

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

5.5 HAZARDOUS WASTE DISPOSAL STATEMENT

Based on an evaluation of the data and information from the RIR, disposal 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.

TABLES

Table 1
242 Wallabout Street, Brooklyn, New York
Soil Boring / Well Information

Boring/Well No.	Date	Total Depth (ft)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft)
B1	8/1/2011	20.00	2			15
B2	8/1/2011	15.00	2			12
B3	8/1/2011	15.00	2			13
B4	8/1/2011	15.00	2			14
B5	8/1/2011	15.00	2			12
B6	8/1/2011	15.00	2			12
B7	8/1/2011	15.00	2			10
T1	8/1/2011	15.00	2			10
T2	8/1/2011	15.00	2			10
B1 - Well	8/1/2011	19.00	1	pvc	10.00	14
B4 - Well	8/1/2011	19.00	1	pvc	10.00	14
B5 - Well	8/1/2011	19.00	1	pvc	10.00	14
B6 - Well	8/1/2011	19.00	1	pvc	10.00	14
B7 - Well	8/1/2011	19.00	1	pvc	10.00	14

TABLE 2
2211 Third Avenue, Harlem, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B2(0-2') µg/Kg	B2(13-15') µg/Kg	B3(0-2') µg/Kg	B3(10-13') µg/Kg	B4(0-2') µg/Kg	B4(13-15') µg/Kg	B5(0-2') µg/Kg	B5(11-13') µg/Kg	B6(0-2') µg/Kg	B6(13-15') µg/Kg	B7(1-3') µg/Kg	B7(13-15') µg/Kg
Acetone	50	100,000	**67.8**	**63**	**93.7**	**197**	ND	**13**	**67.9**	**230**	**88.2**	ND	**72.5**	**33.1**
Benzene	60	4,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone		100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	12,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	760	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	370	49,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	49,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	26,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	3,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane		13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	41,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl t-Butyl Ether	930	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	50	100,000	**15.8** [1,2]	**27.6**	**21.1**	**33.6**	**18.7**	**25.9**	**25.1**	**159**	**16.8**	**27.3**	**18.7** [1,2]	**19.9** [1,2]
n-Propylbenzene	3,900	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	19,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	70	100,000	**4.3**	ND	**20.5**	**3.9**	**11.4**	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	260	100,000	**11**	ND	**14.1**	ND	**11**	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	470	21,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	52,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	52,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	20	900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total BTEX Concentration			**15.3**	**0.0**	**34.6**	**3.9**	**22.4**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
Total VOCs Concentration			**98.9**	**90.6**	**149.4**	**234.5**	**41.1**	**38.9**	**93.0**	**389.0**	**105.0**	**27.3**	**91.2**	**53.0**

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Not-detected

[1] - The Method Blank for method 8260/5035 reported a value greater than the reporting level for the analyte Methylene Chloride.

[2] - The QC sample type LCSD for method 8260/5035 was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 142 and the control limits were 68 to 133.

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 3
2211 Third Avenue, Harlem, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B2(0-2') µg/Kg	B2(13-15') µg/Kg	B3(0-2') µg/Kg	B3(10-13') µg/Kg	B4(0-2') µg/Kg	B4(13-15') µg/Kg	B5(0-2') µg/Kg	B5(11-13') µg/Kg	B6(0-2') µg/Kg	B6(13-15') µg/Kg	B7(1-3') µg/Kg	B7(13-15') µg/Kg
Acenaphthene	20,000	100,000	**80.1**	ND	**74.9**	ND	**78.9**	ND	ND	ND	ND	ND	**244**	**904**
Acenaphthylene	100,000	100,000	**128**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**102**	ND
Anthracene	100,000	100,000	**284**	**80.1**	**242**	**157**	**277**	ND	**74.5**	ND	**129**	ND	**625**	**3180**
Benzo(a)anthracene	1,000	1,000	**1270**	**642**	**800**	**796**	**1050**	ND	**307**	ND	**587**	ND	**1250**	**6110**
Benzo(a)pyrene	1,000	1,000	**1240**	**492**	**840**	**808**	**1030**	ND	**318**	ND	**581**	ND	**1140**	**4780**
Benzo(b)fluoranthene	1,000	1,000	**1440**	**614**	**832**	**818**	**959**	ND	**347**	ND	**685**	ND	**1230**	**4310**
Benzo(g,h,i)perylene	100,000	100,000	**515**	**230**	**242**	**237**	**300**	ND	**108**	ND	**219**	ND	**306**	**1200**
Benzo(k)fluoranthene	800	3,900	**1150**	**488**	**863**	**921**	**1150**	ND	**361**	ND	**608**	ND	**1110**	**4630**
4-Bromophenyl-phenylether			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate			ND	ND	ND	ND	**181**	ND	ND	ND	ND	ND	ND	ND
Carbazole			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**174**	**741**
4-Chloroaniline			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	100,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1,000	3,900	**1450**	**708**	**819**	**780**	**1080**	ND	**325**	ND	**599**	ND	**1300**	**5770**
Di-n-Butylphthalate			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-Octylphthalate			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	330	330	**171**	**108**	**101**	**94.7**	**123**	ND	ND	ND	**73.2**	ND	ND	**607**
Dibenzofuran			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**204**	**695**
1,2-Dichlorobenzene	100,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	1,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	1,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate			**177**	ND	**367**	**173**	**594**	ND	**135**	ND	ND	ND	**238**	ND
Fluoranthene	100,000	100,000	**2000**	**735**	**848**	**952**	**1160**	ND	**304**	ND	**671**	ND	**1840**	**13100**
Fluorene	30,000	100,000	**130**	ND	**91.8**	ND	**87.7**	ND	ND	ND	ND	ND	**337**	**1210**
Hexachlorobenzene		1,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	500	500	**518**	**229**	**236**	**255**	**291**	ND	**108**	ND	**195**	ND	**287**	**1320**
Isophorone			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	800		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**162**	**109**
Naphthalene	12,000	100,000	**57.8**	ND	**56.4**	ND	ND	ND	ND	ND	ND	ND	**321**	**91.5**
2-Nitroaniline			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	100,000	**2030**	**587**	**963**	**659**	**1150**	ND	**346**	ND	**657**	ND	**3170**	**12700**
Pyrene	100,000	100,000	**2960**	**1050**	**1480**	**1300**	**1960**	ND	**588**	ND	**1180**	ND	**3780**	**11900**
1,2,4-Trichlorobenzene	20,000		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Not-detected

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 4
2211 Third Avenue, Harlem, New York
Soil Analytical Results
Pesticides / PCBs

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B2(0-2') µg/Kg	B2(13-15') µg/Kg	B3(0-2') µg/Kg	B3(10-13') µg/Kg	B4(0-2') µg/Kg	B4(13-15') µg/Kg	B5(0-2') µg/Kg	B5(11-13') µg/Kg	B6(0-2') µg/Kg	B6(13-15') µg/Kg	B7(1-3') µg/Kg	B7(13-15') µg/Kg
Total PCB			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1016	100	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1221	100	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1232	100	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1242	100	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1248	100	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1254	100	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor-1260	100	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	5	97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-BHC	20	480	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
beta-BHC	36	360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
delta-BHC	40	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
gamma-BHC			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
alpha-Chlordane	94	4,200	**228**	ND	**11.7**	**31.7**	**11.1**	ND	**22.9**	ND	ND	ND	**41.4**	ND
gamma-Chlordane	94		**177**	ND	**14**	**27.9**	**9.7**	ND	**31.4**	ND	ND	ND	**38.7**	ND
4,4'-DDD	3.3	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	3.3	8,900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	3.3	7,900	**71**	ND	**35.5** [13]	**26**	ND	ND	ND	ND	**73.2**	ND	**28.9**	ND
Dieldrin	5	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	2,400	24,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	24,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	24,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	14	11,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**17.8**
Endrin Ketone			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	42	2,100	**18.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mirex			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Not-detected

[13] - The detection of this compound was confirmed on an alternate column. Precision between the two results exceeded in house control limits (<40%RPD).

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 5
2211 Third Avenue, Harlem, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B2(0-2') mg/Kg	B2(13-15') mg/Kg	B3(0-2') mg/Kg	B3(10-13') mg/Kg	B4(0-2') mg/Kg	B4(13-15') mg/Kg	B5(0-2') mg/Kg	B5(11-13') mg/Kg	B6(0-2') mg/Kg	B6(13-15') mg/Kg	B7(1-3') mg/Kg	B7(13-15') mg/Kg
Aluminum			6940	5000	4880	5550	6320	6520	8840	6880	5900	3580	6640	3700
Antimony			2.1	ND	4.7	ND	2.5	ND	ND	ND	ND	ND	2.2	ND
Arsenic	13	16	4	ND	3.7	4.2	4.8	3.1	4.6	ND	4	ND	16.7	ND
Barium	350	400	129	38.2	150	156	132	51.9	111	36.4	196	47.9	117	22.7
Beryllium	7	72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	2.5 c	4.3	ND	ND	0.52	ND	0.68	ND	ND	ND	ND	ND	ND	ND
Calcium			32400 [3]	2900 [3]	63000 [3]	18000 [3]	10400 [3]	1030 [3]	11000 [3]	814 [3]	5890 [3]	2700 [3]	56700 [3]	3930 [3]
Chromium	30 c		17	11.7	15.5	15	17.5	16.8	22.4	12.8	20.1	17	53.5	15.7
Cobalt			5	4.7	3.7	4.6	5.6	5.2	5.9	8.2	10.6	4.2	4.9	3.2
Copper	50	270	45.4	18.6	41.7	31.4	51.6	10.1	23.8	9.6	24.4	14.2	24.5	11.7
Iron			11600	8560	9820	10600	13100	12800	13800	9420	15000	5930	11500	5550
Lead	63 c	400	152	29.7	353 [14]	229	195	4.8	154	4.3	119	40.6	151	7.2
Magnesium			5210	2320	19800	2660	3200	2140	3030	1830	6280	1430	4450	1140
Manganese	1600 c	2,000	237	293	177	200	239	220	210	191	447	94.8	228	133
Mercury	0.18 c	0.81	0.33	ND	0.38	0.28	0.46	ND	ND	ND	ND	ND	0.38	ND
Nickel	30	310	15.6	10.1	10.2	11.2	17.1	12.1	16.9	12.3	91.5	8.3	25.3	8.2
Potassium			1170	615	657	675	1490	564	1060	444	1280	435	724	4.4
Selenium	3.9c	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	2	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium			401	139	136	104	102	58.3	89.6	ND	77.2	98.7	157	69.2
Thallium			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium			17.7	13.1	16.9	17.3	22.7	22	26.3	13.1	45	11.4	24.8	10.7
Zinc	109 c	10,000	153	32.5	176	177	229	25.5	122	23.5	154	52.3	164	15

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

ND - Not-detected

[3] - The method blank associated with this sample was positive for calcium at 0.2295 mg/l. The calcium analyte concentration in the sample was greater than ten times the concentration of the blank. According to the method, the sample was commented and reported. SRT 08.05.11

[14] - The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. The sample was post-digestion spiked, and this matrix spike was within acceptable recovery limits.

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 6
2211 Third Avenue, Harlem, New York
Groundwater Analytical Results
Volatile Organic Compounds

	NYSDEC Groundwater Quality Standards	Sample ID				
Volatile Organic Compounds by 8260	**µg/L**	**B1**	**B4**	**B5**	**B6**	**B7**
Acetone		ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND
2-Butanone		ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND
1,1-Dichloroethene		ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene		ND	ND	ND	ND	ND
1,4-Dioxane		ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND
Methyl t-Butyl Ether	10	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND
Toluene	5	ND	**2.5**	ND	ND	ND
Total Xylenes		ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND

Notes:
ND - Not detected
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 7
2211 Third Avenue, Harlem, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

	NYSDEC Groundwater Quality Standards	Sample Id				
Semi-Volatile Organic Compounds by 8270	**µg/L**	**B1**	**B4**	**B5**	**B6**	**B7**
Acenaphthene	5	ND	ND	ND	ND	ND
Acenaphthylene		ND	ND	ND	ND	ND
Anthracene		ND	ND	ND	ND	ND
Benzidine	5	-	ND	ND	ND	ND
Benzo(a)anthracene		ND	ND	ND	ND	ND
Benzo(a)pyrene		ND	ND	ND	ND	ND
Benzo(b)fluoranthene		ND	ND	ND	ND	ND
Benzo(g,h,i)perylene		ND	ND	ND	ND	ND
Benzo(k)fluoranthene		ND	ND	ND	ND	ND
4-Bromophenyl-phenylether		-	ND	ND	ND	ND
Butylbenzylphthalate		-	ND	ND	ND	ND
Carbazole		-	ND	ND	ND	ND
4-Chloroaniline		-	ND	ND	ND	ND
bis(2-Chloroethoxy)methane		-	ND	ND	ND	ND
bis(2-Chloroethyl)ether	1	-	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether		-	ND	ND	ND	ND
2-Chloronaphthalene		-	ND	ND	ND	ND
4-Chlorophenyl-phenylether		-	ND	ND	ND	ND
Chrysene		ND	ND	ND	ND	ND
Di-n-Butylphthalate		-	ND	ND	ND	ND
Di-n-Octylphthalate		-	ND	ND	ND	ND
Dibenzo(a,h)anthracene		ND	ND	ND	ND	ND
Dibenzofuran		-	ND	ND	ND	ND
1,2-Dichlorobenzene	3	-	ND	ND	ND	ND
1,3-Dichlorobenzene	3	-	ND	ND	ND	ND
1,4-Dichlorobenzene	3	-	ND	ND	ND	ND
3,3-Dichlorobenzidine	5	-	ND	ND	ND	ND
Diethylphthalate		-	ND	ND	ND	ND
Dimethylphthalate		-	ND	ND	ND	ND
2,4-Dinitrotoluene	5	-	ND	ND	ND	ND
2,6-Dinitrotoluene	5	-	ND	ND	ND	ND
1,2-Diphenylhydrazine		-	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	5	-	ND	ND	ND	ND
Fluoranthene		ND	**2.4**	**2.7**	ND	ND
Fluorene		ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	-	ND	ND	ND	ND
Hexachlorobutadiene	0.5	-	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	-	ND	ND	ND	ND
Hexachloroethane	5	-	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene		ND	ND	ND	ND	ND
Isophorone		-	ND	ND	ND	ND
2-Methylnaphthalene		-	ND	ND	ND	ND
Naphthalene		-	ND	ND	ND	ND
2-Nitroaniline	5	-	ND	ND	ND	ND
3-Nitroaniline	5	-	ND	ND	ND	ND
4-Nitroaniline	5	-	ND	ND	ND	ND
Nitrobenzene	0.4	-	ND	ND	ND	ND
N-Nitrosodimethylamine		-	ND	ND	ND	ND
N-Nitroso-di-n-propylamine		-	ND	ND	ND	ND
N-Nitrosodiphenylamine		-	ND	ND	ND	ND
Phenanthrene		ND	ND	**1.8**	ND	ND
Pyrene		ND	**2.3**	**2.3**	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND

Notes:
ND - Not detected
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 8
2211 Third Avenue, Harlem, New York
Groundwater Analytical Results
Pesticides/PCBs

COMPOUND	NYSDEC GROUNDWATER QUALITY STANDARDS	B2	B4	B5	B6
Pesticides and PCBs	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
4,4-DDD	**0.3**	ND	ND	ND	ND
4,4-DDE	**0.2**	ND	ND	ND	ND
4,4-DDT	**0.2**	ND	ND	ND	ND
Aldrin	**ND**	ND	ND	ND	ND
alpha-BHC	**0.01**	ND	ND	ND	ND
apha-Chlordane	**0.05**	ND	ND	ND	ND
beta-BHC	**0.04**	ND	ND	ND	ND
delta-BHC	**0.04**	ND	ND	ND	ND
Dieldrin	**0.004**	ND	ND	ND	ND
Endosulfan I		ND	ND	ND	ND
Endosulfan II		ND	ND	ND	ND
Endosulfan Sulfate		ND	ND	ND	ND
Endrin	**ND**	ND	ND	ND	ND
Endrin aldehyde	**5**	ND	ND	ND	ND
Endrin Ketone		ND	ND	ND	ND
gamma-BHC	**0.05**	ND	ND	ND	ND
gamma-Chlordane	**0.05**	ND	ND	ND	ND
Heptachlor	**0.04**	ND	ND	ND	ND
Heptachlor epoxide	**0.03**	ND	ND	ND	ND
Methoxychlor	**35**	ND	ND	ND	ND
Toxaphene		ND	ND	ND	ND
Total PCBs		ND	ND	ND	ND
Aroclor-1016	**0.09**	ND	ND	ND	ND
Aroclor-1221	**0.09**	ND	ND	ND	ND
Aroclor-1232	**0.09**	ND	ND	ND	ND
Aroclor-1242	**0.09**	ND	ND	ND	ND
Aroclor-1248	**0.09**	ND	ND	ND	ND
Aroclor-1254	**0.09**	ND	ND	ND	ND
Aroclor-1260	**0.09**	ND	ND	ND	ND

Notes:
ND - Non-detecl
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standar

Table 9
2211 Third Avenue, Harlem, New York
Groundwater Analytical Results
TAL Filtered Metals

COMPOUND	NYSDEC GROUNDWATER QUALITY STANDARDS	B4	B5	B6	B7
Priority Pollutant Metals	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Aluminum	**NS**	ND	ND	ND	ND
Antimony	**3**	ND	ND	ND	ND
Arsenic	**25**	ND	ND	ND	ND
Barium	**100**	**48**	**37**	**150**	**85**
Beryllium	**3**	ND	ND	ND	ND
Cadmium	**5**	ND	ND	ND	ND
Calcium	**NS**	**59,300**	**212,000**	**127,000**	**31,900**
Chromium	**50**	ND	ND	ND	ND
Cobalt	**NS**	ND	**6.8**	ND	ND
Copper	**200**	ND	ND	ND	ND
Iron	**500**	ND	ND	ND	ND
Lead	**25**	ND	ND	ND	ND
Magnesium	**3500**	**18,700**	**34,100**	**51,800**	**8,800**
Manganese	**300**	**190**	**360**	**3,500**	**680**
Nickel	**100**	ND	ND	ND	ND
Potassium	**NS**	**12,800**	**16,700**	**22,500**	**12,700**
Selenium	**10**	ND	ND	ND	ND
Silver	**50**	ND	ND	ND	ND
Sodium	**2000**	**111,000**	**48,200**	**115,000**	**158,000**
Thallium	**0.5**	ND	ND	ND	ND
Vanadium	**NS**	ND	ND	ND	ND
Zinc	**2000**	**24**	**22**	ND	**77**
Mercury	**0.7**	ND	ND	ND	ND

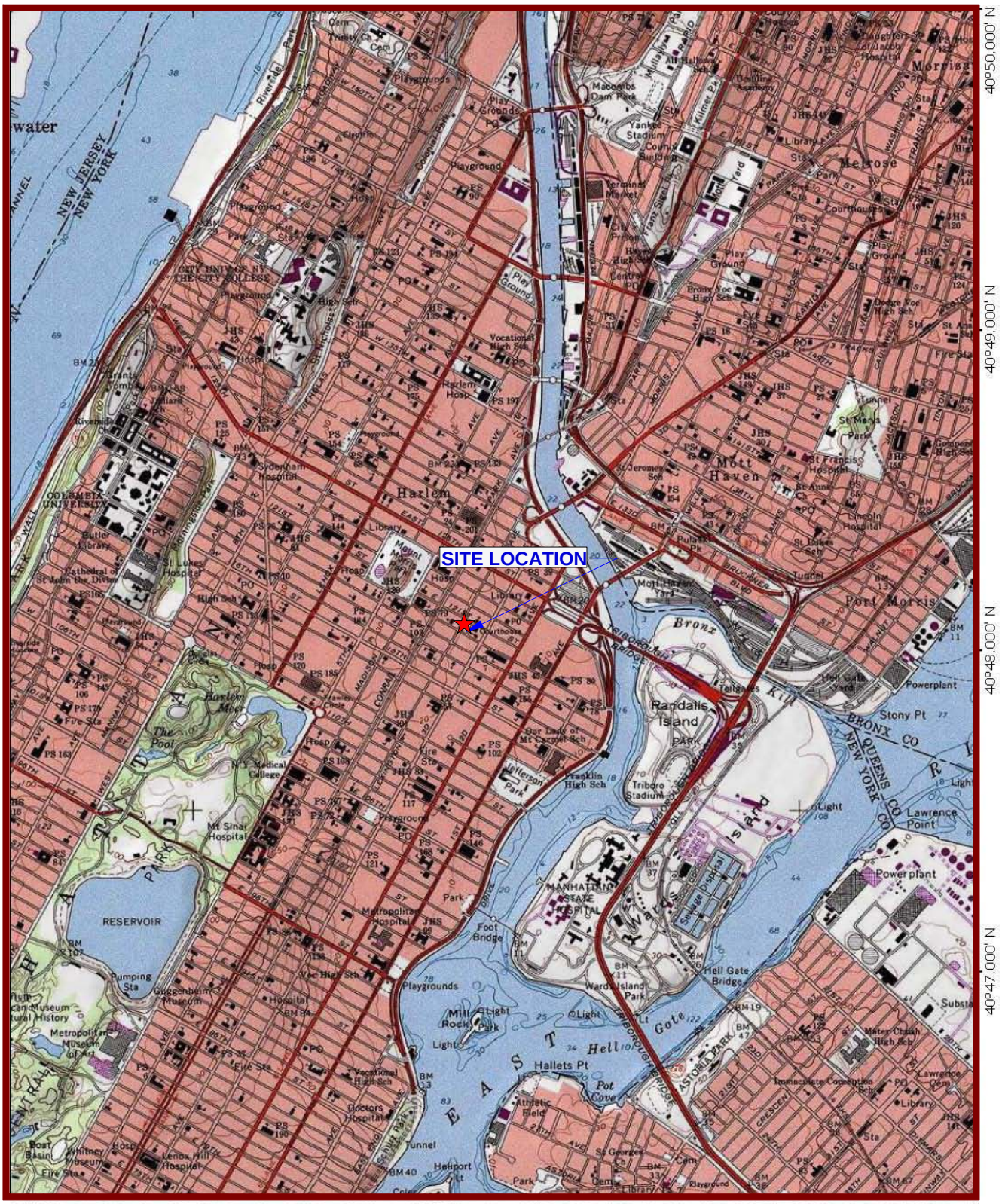
Notes:
ND - Non-detect
NS - No Standard
Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 10
2211 Third Avenue
New York, New York 10035
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Subslab Levels	NYSDOH Soil Outdoor Background Levels	SG-1	SG-2	SG-3	SG-4
	(µg/m^3) [(a)]	(µg/m3) [(a)]	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)
1,1,1-Trichloroethane	1,000	<2.0 - 2.8	**5.2**	ND	**3.9**	ND
1,1,2,2-Tetrachloroethane		<1.5	ND	ND	ND	ND
1,1,2-Trichloroethane		<1.0	ND	ND	ND	ND
1,1-Dichloroethane		<1.0	ND	ND	ND	ND
1,1-Dichloroethene		<1.0	ND	ND	ND	ND
1,2,4-Trichlorobenzene		NA	ND	ND	ND	ND
1,2,4-Trimethylbenzene		<1.0	ND	ND	**3.9**	ND
1,2-Dichlorobenzene		<2.0	ND	ND	ND	ND
1,2-Dichloroethane		<1.0	ND	ND	ND	ND
1,2-Dichloropropane		<1.0	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane		NA	ND	ND	ND	ND
1,3,5-Trimethylbenzene		<1.0	ND	ND	ND	ND
1,3-Butadiene		NA	ND	ND	ND	ND
1,3-Dichlorobenzene		<2.0	ND	ND	**13**	**9.5**
1,4-Dichlorobenzene		NA	ND	ND	ND	ND
1,4-Dioxane			ND	ND	ND	ND
2,2,4-Trimethylpentane		NA	ND	ND	ND	ND
2-Butanone			ND	**42**	**11**	**13**
2-Hexanone			ND	ND	ND	ND
3-Chloropropene			ND	ND	ND	ND
4-Methyl-2-pentanone			ND	**25**	**13.0**	**16**
Acetone		NA	B **100**	B **380**	B **150**	B **140**
Benzene		<1.6 - 4.7	**4.2**	ND	**2.6**	ND
Benzyl Chloride		NA	ND	ND	ND	ND
Bromodichloromethane		<5.0	ND	ND	ND	ND
Bromoform		<1.0	ND	ND	ND	ND
Bromomethane		<1.0	ND	ND	ND	ND
Carbon Disulfide		NA	ND	ND	ND	ND
Carbon Tetrachloride	250	<3.1	ND	ND	ND	ND
Chlorobenzene		<2.0	ND	ND	ND	ND
Chloroethane		NA	ND	ND	ND	ND
Chloroform		<2.4	ND	ND	ND	ND
Chloromethane		<1.0 - 1.4	ND	**3.6**	ND	ND
cis-1,2-Dichloroethene		<1.0	ND	ND	ND	ND
cis-1,3-Dichloropropene		NA	ND	ND	ND	ND
Cyclohexane		NA	ND	ND	ND	ND
Dichorodifluromethane		NA	ND	**15**	ND	**16**
Ethyl Acetate		NA	ND	ND	ND	ND
Ethylbenzene		<4.3	**2.1**	ND	**1.4**	ND
Freon-113		NA	ND	ND	ND	ND
Hexachloro-1,3-butadiene		NA	ND	ND	ND	ND
Isopropanol		NA	ND	**36**	ND	ND
Methylene Chloride		<3.4	ND	ND	**9.7**	**180**
MTBE		NA	ND	ND	ND	ND
n-Heptane		NA	ND	ND	ND	ND
n-Hexane		<1.5	ND	ND	**4.5**	**47**
Xylene (o)		<4.3	**6**	ND	**2**	ND
Xylene (m&p)		<4.3	**13**	ND	**5.8**	**7.3**
p-Ethyltoluene			ND	ND	**2.3**	ND
Propylene		NA	ND	ND	ND	ND
Styrene		<1.0	ND	ND	ND	ND
Tetrachloroethylene	1,000		**27**	**12**	**4.9**	ND
Tetrahydrofuran		NA	ND	ND	ND	ND
Toluene		1.0 - 6.1	**17**	**16**	**14**	**19**
trans-1,2-Dichloroethene		NA	ND	ND	ND	ND
trans-1,3-Dichloropropene		NA	ND	ND	ND	ND
Trichloroethylene	250	<1.7	ND	ND	ND	ND
Trichlorofluoromethane		NA	**62**	**38**	**44**	ND
Vinyl Acetate		NA	ND	ND	ND	**68**
Vinyl Bromide			ND	ND	ND	ND
Vinyl Chloride		<1.0	ND	ND	ND	ND
*Total PVOCs**			5.6	0.0	6.5	47.0
*Total BTEX***			41.9	16.0	25.8	26.3
*Total VOCs****			130.9	187.6	132.1	375.8

Notes:
NA No guidance value or standard available
(a) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February
(b)Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.
* Petroleum Volatile Organic Compounds
** Benzene, toluene, ethylbenzene, xylene
** * Volatile Organic Compounds (excluding acetone)

FIGURES



USGS Central Park Quadrangle 1995, Contour Interval = 10 feet

EBC
Environmental Business Consultants
Phone 631.504.6000
Fax 631. 924 .2870

2211 3rd Avenue, Harlem , NY

Block 1785 Lots 43, 46 & 146

FIGURE 1 Site Location Map

EBC
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1808 Middle Country Road, Ridge, NY 11961
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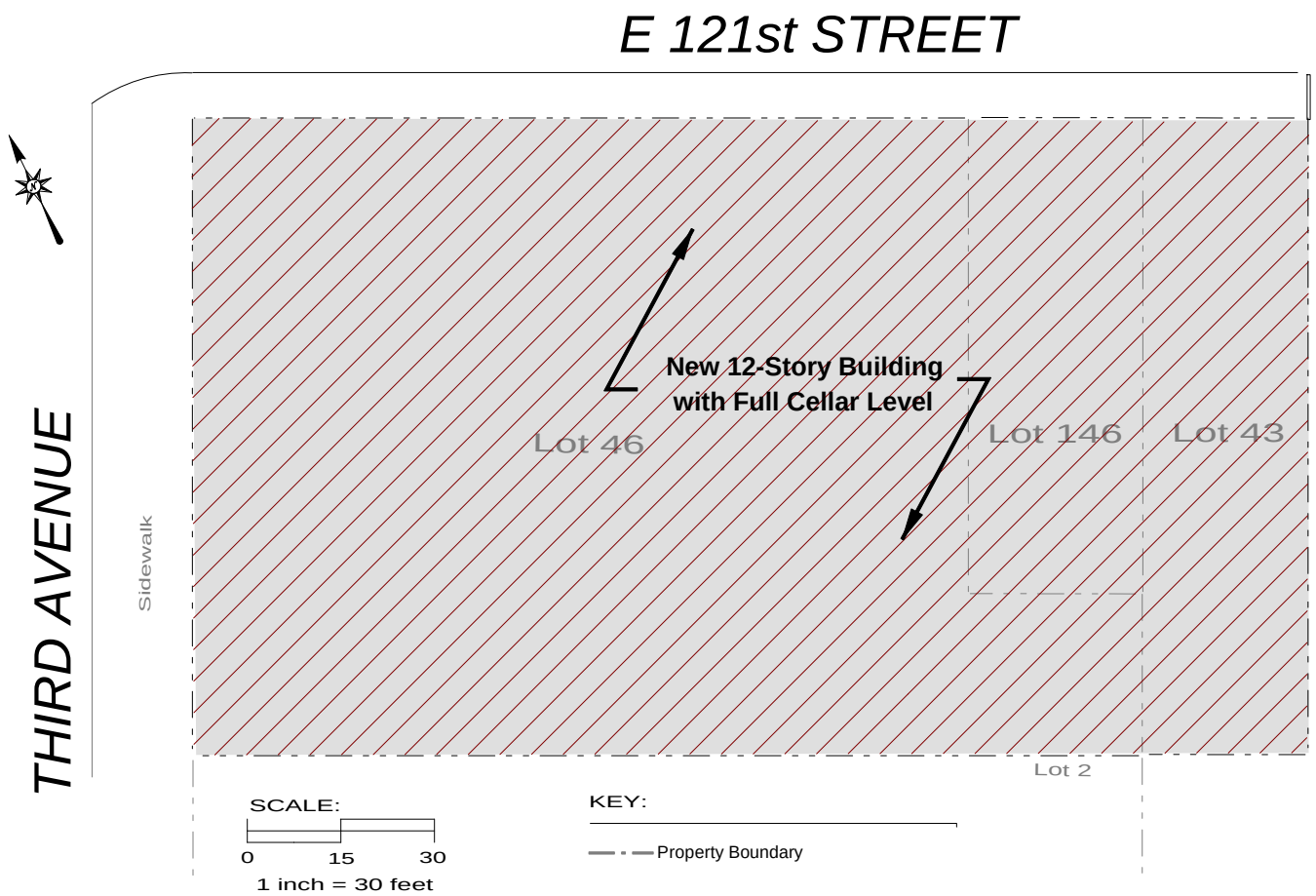
Fax 631.924.2780

2211 Third Avenue
New York, NY

FIGURE 2 Site Plan



EBC
Environmental Business Consultants
1808 Middle Country Road, Ridge, NY 11961
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2211 Third Avenue
New York, NY

FIGURE 3 Development Plan

EBC
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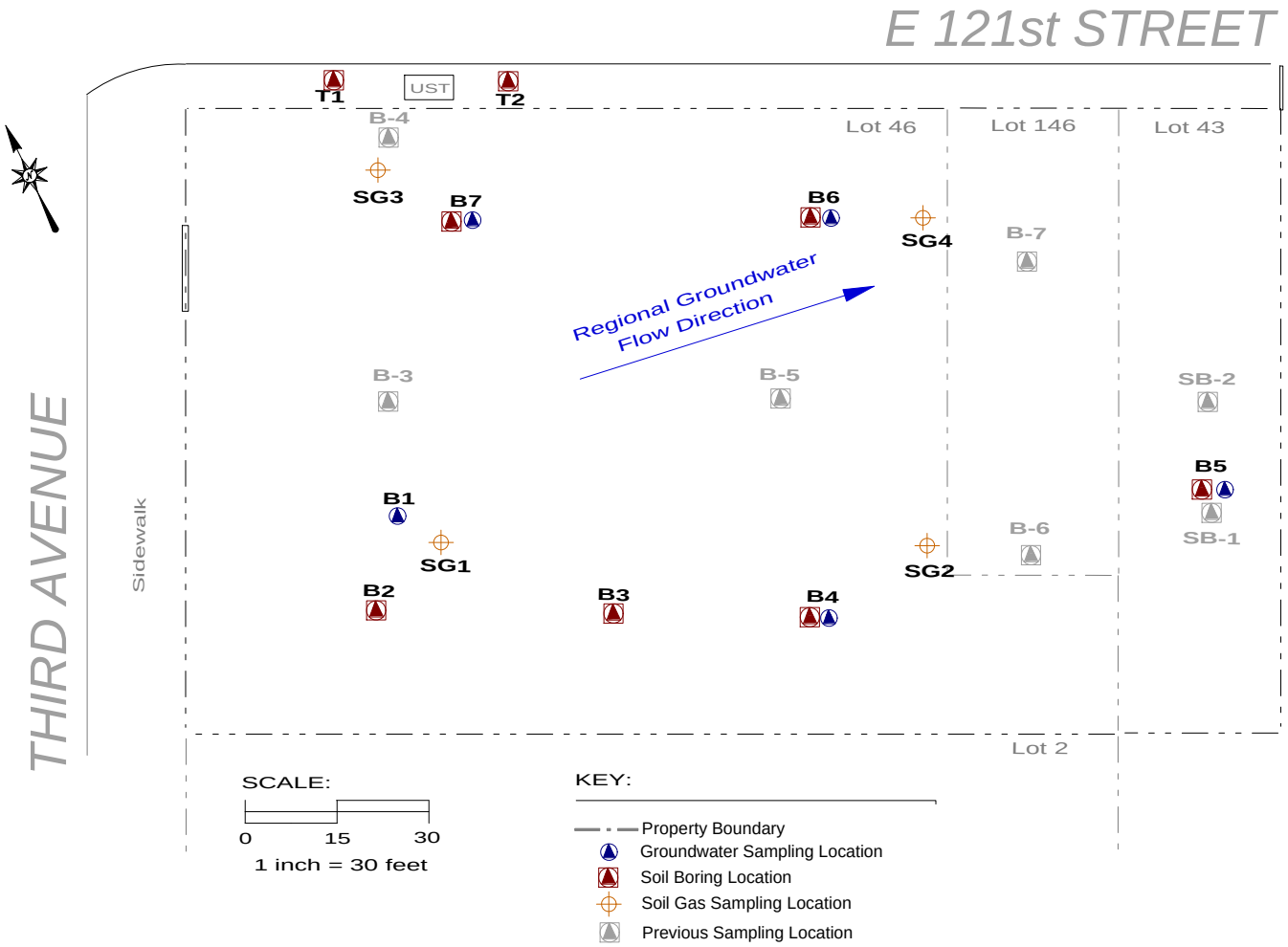
2211 Third Avenue, Harlem, NY
Block 1785, Lots 43, 46, and 146

FIGURE 4 Area Map



EBC
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2211 Third Avenue
New York, NY

FIGURE 5 Sampling Locations

APPENDIX A
DRILL LOGS

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B1 Boring Log

Location: West corner of subject site (44' from southwest property line and 35' from Third Ave property line).		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TPE1101	Address: 2211 Third Avenue, New York, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Dual Tube Geoprobe 6610	~15ft		Well Specifications
Date Started: 8/1/2011	Date Completed: 8/1/2011			None
Completion Depth: 20 Feet	Field Techician DM			

B1 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	45		0.0	40" - Urban fill material consisting of brick and concrete in a black sandy matrix. 5" - Dark organic material. ** Retained soil sample B1(0-2)*
	to 10	30		0.0	25" - Urban fill material consisting of brick and concrete in a black sandy matrix. 5" - Grey and black sandy soil.
	to 15	32		0.0	5" - Crushed pieces of brick. 5" - Black silty sand with brick and concrete. 5" - Coarse brown sand, then 3" - Coarse pink sand 14" - Coarse brown sand (damp at 15'). ** Retained soil sample B1(13-15)*
	to 20	26		0.0	26" - Wet coarse brown sand. *** Collected groundwater sample B1*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B2 Boring Log

Location: West corner of subject site (19' from 2025 Thrid Ave property line, 30' from Third Ave sidewalk).		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TPE1101	Address: 2211 Third Avenue, New York, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Dual Tube Geoprobe 6610	~12ft		Well Specifications
Date Started: 8/1/2011	Date Completed: 8/1/2011			None
Completion Depth: 15 Feet	Field Techician DM			

B2 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	24		0.0	24" - Urban fill material consisting of brick, concrete, and gravel in a black sandy matrix. ** Retained soil sample B2(0-2)*
	to 10	26		0.0	26" - Urban fill material consisting primarily of brick in a dark brown silty sand matrix.
	to 15	30		0.0	3" - Urban fill material. 7" - Crushed concrete. 20" - Urban fill consisting of a brown silty sand with concrete and red stone. ** Retained soil sample B2(13-15)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B3 Boring Log

Location: Along southwestern property line (70' from property line on Third Ave, 19' from southwest property line).		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TPE1101	Address: 2211 Third Avenue, New York, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Dual Tube Geoprobe 6610	~13ft		Well Specifications
Date Started: 8/1/2011	Date Completed: 8/1/2011			None
Completion Depth: 15 Feet	Field Techician DM			

B3 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	28		0.0	6" - Brown silty sand with some gravel 6" - Crushed concrete 24" - Urban fill material consisting of brick, concrete, and gravel in a black silty sand matrix. ** Retained soil sample B3(0-2)*
	to 10	30		0.0	8" - Fine white and brown sand. 17" - Dark brown and black silty sand, moist. 24" - Moist urban fill material consisting of brick, concrete, wood, and gravel.
	to 15	29		0.0	5" - Fine sand grey and black 8" - Urban fill material consisting of wood, gravel, concrete and brick in a brown silty sand matrix (slightly moist). 16" - Wet coarse brown sand with some gravel. ** Retained soil sample B3(10-13)*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B4 Boring Log

Location: Along southwestern property line (105' from property line on Third Ave, 19' from southwest property line).		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TPE1101	Address: 2211 Third Avenue, New York, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Dual Tube Geoprobe 6610	~14ft		Well Specifications
Date Started: 8/1/2011	Date Completed: 8/1/2011			None
Completion Depth: 15 Feet	Field Techician DM			

B4 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	35		0.0	35" - Urban fill material consisting of brick, concrete, and gravel in a brown silty sand matrix. Two 4" layers of concrete within urban fill layer. ** Retained soil sample B4(0-2)*
	to 10	12		0.0	6" - Concrete and sand 6" - Urban fill material consisting of brick and gravel in a dark brown silty sand matrix.
	to 15	55		0.0	20" - Urban fill material consisting of brick, concrete, and gravel in a black and brown sandy matrix. 25" - Brown and grey clay, moist. 5" - Wet light brown fine sand with some silt. ** Retained soil sample B4(13-15)*
					*** Collected groundwater sample B1*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B5 Boring Log

Location: Southern corner of subject site in Lot 43.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TPE1101	Address: 2211 Third Avenue, New York, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Dual Tube Geoprobe 6610	~12ft		Well Specifications
Date Started: 8/1/2011	Date Completed: 8/1/2011			None
Completion Depth: 15 Feet	Field Techician DM			

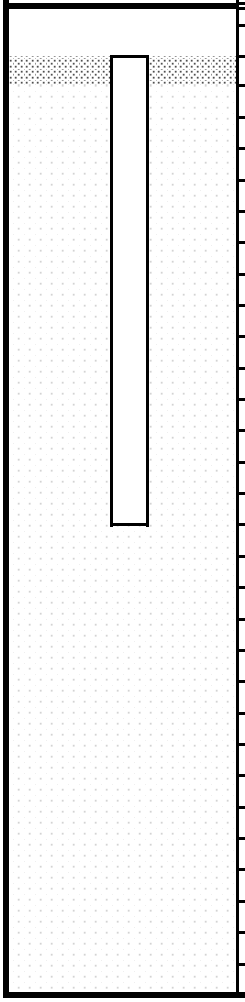
B5 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	38		0.0	45" - Urban fill material consisting of brick, wood, and gravel in a brown silty sand matrix. 10" - Black and brown clay. ** Retained soil sample B5(0-2)*
	to 10	50		0.0	45" - Fine sand with some red brick. 17" - Brown clay with large gravel in bottom 6". 21" - Moist brown sandy clay with some gravel.
	to 15	60		0.0	10" - Light brown fine sand with silt. 50" - Brown clay ** Retained soil sample B5(11-13)*
					*** Collected groundwater sample B1*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B6 Boring Log

Location: Slightly east of the center of the subject site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TPE1101	Address: 2211 Third Avenue, New York, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Dual Tube Geoprobe 6610	~12ft		Well Specifications
Date Started: 8/1/2011	Date Completed: 8/1/2011			None
Completion Depth: 15 Feet	Field Techician DM			

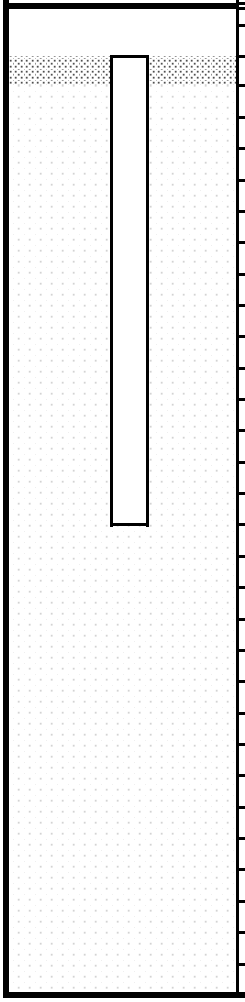
B6 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	30		0.0	30" - Urban fill material consisting of brick, concrete, and gravel in a black and brown sandy matrix. ** Retained soil sample B6(0-2)*
	5 to 10	35		0.0	35" - Urban fill material consisting of brick, concrete, wood, and grav in a brown silty sand matrix.
	10 to 15	30		0.0	6" - Moist black and grey clay. 35" - Fill material consisting of concrete, wood, and gravel in a black sandy matrix. 20" - Moist fine brown sand with fine to coarse gravel with depth ** Retained soil sample B6(13-15)*
					*** Collected groundwater sample B1*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B7 Boring Log

Location: Slightly North of the center of the property.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TPE1101	Address: 2211 Third Avenue, New York, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Dual Tube Geoprobe 6610	~10ft		Well Specifications
Date Started: 8/1/2011	Date Completed: 8/1/2011			None
Completion Depth: 15 Feet	Field Techician DM			

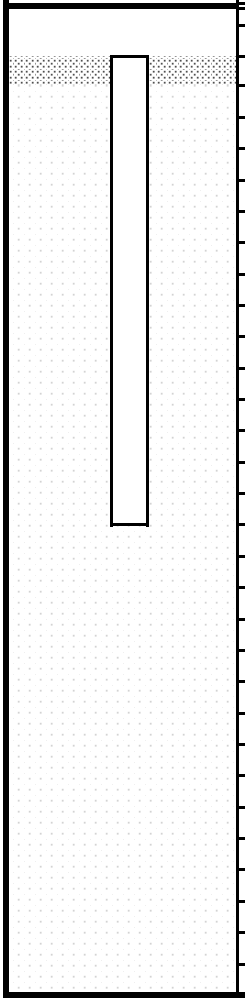
B7 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	40		0.0	40" - Urban fill material consisting of brick, wood, pink stone, and gravel in a sandy matrix. ** Retained soil sample B7(0-2)*
	5 to 10	28		0.0	15" - Crushed concrete fragments. 5" - Crushed red brick. 8" - Moist brown sandy clay.
	10 to 15			0.0	4" - Cave in of fill material 16" - Black and light brown fill material w/wood and gravel. 6" - Moist brown sand with 2" of concrete on bottom. 14" - Saturated brown sand with fine gravel. ** Retained soil sample B7(13-15)*
					*** Collected groundwater sample B1*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

T1 Boring Log

Location: West side of suspect UST in north corner of subject site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TPE1101	Address: 2211 Third Avenue, New York, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Dual Tube Geoprobe 6610	~10ft		Well Specifications
Date Started: 8/1/2011	Date Completed: 8/1/2011			None
Completion Depth: 15 Feet	Field Techician DM			

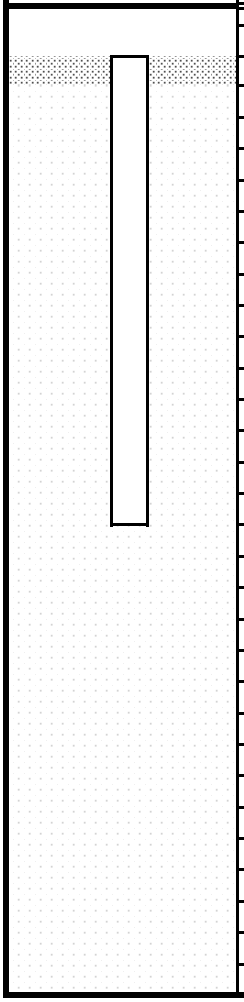
T1 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	30		0.0	14" - Urban fill material consisting of brick, wood, coal, and gravel in a sandy matrix. 6" - Brown clay 10" - Brown sandy clay with some large gravel ** Retained soil sample T1(0-2)*
	5 to 10	30		0.0	3" - Cave in of fill material. 15" - Moist brown sandy clay with some gravel. 12" - Moist brown clay with no gravel.
	10 to 15	60		0.0	20" - Saturated brown sand with gravel 20" - Saturated brown silty sand with no gravel 20" - Saturated dark brown fine sand with fine gravel ** Retained soil sample T1(13-15)*
					*** Collected groundwater sample B1*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

T2 Boring Log

Location: East side of suspect UST in North corner of subject site.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: TPE1101	Address: 2211 Third Avenue, New York, NY	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: Eastern Environmental Solutions, Inc.	Method: Dual Tube Geoprobe 6610	~10ft		Well Specifications
Date Started: 8/1/2011	Date Completed: 8/1/2011			None
Completion Depth: 15 Feet	Field Techician DM			

T2 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	30		0.0	20" - Urban fill material consisting of brick, wood, and gravel in a sandy matrix. 10" - Moist brown silty sand. ** Retained soil sample T2(0-2)*
	5 to 10	30		0.0	30" - Brown to light brown silty sand.
	10 to 15	60		0.0	20" - Light brown silty sand. 20" - Brown sand with gravel, large white stone on bottom 1". 20" - Wet dark brown sand with some stones. ** Retained soil sample T2(13-15)*

ATTACHMENT B
GROUNDWATER SAMPLING LOGS

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: B1

Date: 8/1/2011

Well Depth (from TOC): 19

Equipment: Geopump 2 peristaltic pump

Static Water Level (from TOC): 14

Height of Water in Well: 5

Gallons of Water per Well Volume: 0.2

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	Comments
0.00	400ml/min						turbid
10.00	400ml/min	1.1					Clear

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: B4

Date: 8/1/2011

Well Depth (from TOC): 19

Equipment: Geopump 2 peristaltic pump

Static Water Level (from TOC): 14

Height of Water in Well: 5

Gallons of Water per Well Volume: 0.2

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	Comments
0.00	400ml/min						turbid
10.00	400ml/min	1.1					clear

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: B5

Date: 8/1/2011

Well Depth (from TOC): 19

Equipment: Geopump 2 peristaltic pump

Static Water Level (from TOC): 14

Height of Water in Well: 5

Gallons of Water per Well Volume: 0.2

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	Comments
0.00	400ml/min						turbid
10.00	400ml/min	1.1					clear

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: B6

Date: 8/1/2011

Well Depth (from TOC): 19

Equipment: Geopump 2 peristaltic pump

Static Water Level (from TOC): 14

Height of Water in Well: 5

Gallons of Water per Well Volume: 0.2

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	Comments
0.00	400ml/min						turbid
10.00	400ml/min	1.1					clear

GROUNDWATER PURGE / SAMPLE LOGS

ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: B7

Date: 8/1/2011

Well Depth (from TOC): 19

Equipment: Geopump 2 peristaltic pump

Static Water Level (from TOC): 14

Height of Water in Well: 5

Gallons of Water per Well Volume: 0.2

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	Comments
0.00	400ml/min						turbid
10.00	400ml/min	1.1					clear

ATTACHMENT C
SOIL GAS SAMPLING LOGS

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

Field Chain-of-Custody Record - AIR

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

York Project No. 11H0717

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: EBC	Company: "	Company: "	2211 Third Ave New York, NY	RUSH - Same Day ☐	Summary Report ✓
Address: 1808 Middle Country Road, Ridge, NY	Address:	Address:	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary
Phone No. (631) 504-6000	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person: Charlie Sosik	Attention:	Attention:		RUSH - Three Day ☐	NY ASP A Package
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT___ NY ✓ NJ___	RUSH - Four Day ☐	NY ASP B/CLP Pkg
				Standard(5-7 Days) ✓	NJDEP Reduced
					Electronic Deliverables:
					EDD (Specify Type)
					Standard Excel
					Regulatory Comparison Excel

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

Samples Collected/Authorized By (Signature)

Dominick Mosca
Name (printed)

Air Matrix Codes

- AI - INDOOR Ambient Air
- AO- OUTDOOR Amb. Air
- AE- Vapor Extraction Well/ Process Gas/Effluent
- AS- SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses

EPA TO-15 List	EPA TO-14A List
NYSDEC VI list	Tentatively Identified Compounds
NYSDEC STARS List	Air VPH
Project Specific List by TO-15	Helium
NJDEP Target List	Methane
CTDEP RCP Target List	OTHER_____

Detection Limits Required

- ≤ 1 ug/m³ ____
- NYSDEC VI Limits____ (VI = vapor intrusion)
- NJDEP low level ____
- Routine Survey ____
- Other_____

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum Afer Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SG 1	8·18·2011		-30	-6	TO15	6 Liter Summa canister___ Tedlar Bag___
SG 2	|		-30	-6	|	6 Liter Summa canister___ Tedlar Bag___
SG 3	|		-29	-7	|	6 Liter Summa canister___ Tedlar Bag___
SG 4	|		-30	-6	|	6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___

Comments

Samples Relinquished By — Date/Time: 8·19·2011

Samples Relinquished By — Date/Time

Samples Received By — Date/Time: 8/19/11 1430

Samples Received in LAB by — Date/Time: 8/19/11 1800 @ 5.0

ATTACHMENT D

LABORATORY REPORTS IN DIGITAL FORMAT

ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

August 10, 2011

Mr. Charles Sosik
Environmental Business Consultants (EBC)
1808 Middle Country Road
Ridge, NY 11961

Certificate of Analysis

Project Name:	**S/GW, NY**	Workorder:	**9919105**
Purchase Order:		Workorder ID:	**2211 3rd Avenue, Harlem**

Dear Mr. Sosik,

Enclosed are the analytical results for samples received by the laboratory on Tuesday, August 02, 2011.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Tonya Hironimus (Project Coordinator) or Anna G Milliken (Technical Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALS' NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Technical Manager

ALS Environmental
34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

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SAMPLE SUMMARY

Workorder: 9919105 2211 3rd Avenue, Harlem Discard Date: 08/24/2011

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9919105001	B2[0-2]	Solid	8/1/11 00:00	8/2/11 19:31	Customer
9919105002	B2[13-15]	Solid	8/1/11 00:00	8/2/11 19:31	Customer
9919105003	B3[0-2]	Solid	8/1/11 00:00	8/2/11 19:31	Customer
9919105004	B3[10-13]	Solid	8/1/11 00:00	8/2/11 19:31	Customer
9919105005	B4[0-2]	Solid	8/1/11 00:00	8/2/11 19:31	Customer
9919105006	B4[13-15]	Solid	8/1/11 00:00	8/2/11 19:31	Customer
9919105007	B5[0-2]	Solid	8/1/11 00:00	8/2/11 19:31	Customer
9919105008	B5[11-13]	Solid	8/1/11 00:00	8/2/11 19:31	Customer
9919105009	B6[0-2]	Solid	8/1/11 00:00	8/2/11 19:31	Customer
9919105010	B6[13-15]	Solid	8/1/11 00:00	8/2/11 19:31	Customer
9919105011	B7[1-3]	Solid	8/1/11 00:00	8/2/11 19:31	Customer
9919105012	B7[13-15]	Solid	8/1/11 00:00	8/2/11 19:31	Customer

Workorder Comments:

ALS Environmental

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SAMPLE SUMMARY

Workorder: 9919105 2211 3rd Avenue, Harlem Discard Date: 08/24/2011

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105001** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B2[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	67.8		ug/kg	10.9	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Benzene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
2-Butanone	ND		ug/kg	10.9	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
n-Butylbenzene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
tert-Butylbenzene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
sec-Butylbenzene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Carbon Tetrachloride	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Chlorobenzene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Chloroform	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
1,2-Dichlorobenzene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
1,3-Dichlorobenzene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
1,4-Dichlorobenzene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
1,1-Dichloroethane	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
1,2-Dichloroethane	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
1,1-Dichloroethene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
cis-1,2-Dichloroethene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
trans-1,2-Dichloroethene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
1,4-Dioxane	ND		ug/kg	81.7	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Ethylbenzene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Methyl t-Butyl Ether	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Methylene Chloride	15.8	1,2	ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
n-Propylbenzene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Tetrachloroethene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Toluene	4.3		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Total Xylenes	11.0		ug/kg	6.5	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
1,1,1-Trichloroethane	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Trichloroethene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Vinyl Chloride	ND		ug/kg	2.2	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	90.3		%	56-124	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
4-Bromofluorobenzene (S)	87		%	51-128	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Dibromofluoromethane (S)	83.2		%	62-123	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
Toluene-d8 (S)	82.9		%	59-131	8260/5035	8/2/11	DJB	8/8/11 20:50	DJB	A2
SEMIVOLATILES										
Acenaphthene	80.1		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Acenaphthylene	128		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4

ALS Environmental

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105001** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B2[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Anthracene	284		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Benzo(a)anthracene	1270		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Benzo(a)pyrene	1240		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Benzo(b)fluoranthene	1440		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Benzo(g,h,i)perylene	515		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Benzo(k)fluoranthene	1150		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
4-Bromophenyl-phenylether	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Butylbenzylphthalate	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Carbazole	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
4-Chloroaniline	ND		ug/kg	300	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
bis(2-Chloroethoxy)methane	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
bis(2-Chloroethyl)ether	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
bis(2-Chloroisopropyl)ether	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
2-Chloronaphthalene	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
4-Chlorophenyl-phenylether	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Chrysene	1450		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Di-n-Butylphthalate	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Di-n-Octylphthalate	ND		ug/kg	300	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Dibenzo(a,h)anthracene	171		ug/kg	66.6	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Dibenzofuran	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
1,2-Dichlorobenzene	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
1,3-Dichlorobenzene	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
1,4-Dichlorobenzene	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
3,3-Dichlorobenzidine	ND		ug/kg	600	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Diethylphthalate	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Dimethylphthalate	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
2,4-Dinitrotoluene	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
2,6-Dinitrotoluene	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
bis(2-Ethylhexyl)phthalate	177		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Fluoranthene	2000		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Fluorene	130		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Hexachlorobenzene	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Hexachlorobutadiene	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Hexachlorocyclopentadiene	ND		ug/kg	300	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Hexachloroethane	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Indeno(1,2,3-cd)pyrene	518		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Isophorone	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
2-Methylnaphthalene	ND		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Naphthalene	57.8		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
2-Nitroaniline	ND		ug/kg	300	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
3-Nitroaniline	ND		ug/kg	300	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105001** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B2[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/kg	300	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Nitrobenzene	ND		ug/kg	133	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
N-Nitroso-di-n-propylamine	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
N-Nitrosodiphenylamine	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Phenanthrene	2030		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Pyrene	2960		ug/kg	55.5	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
1,2,4-Trichlorobenzene	ND		ug/kg	111	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	53.1		%	37-123	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
2-Fluorobiphenyl (S)	84.3		%	45-105	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
2-Fluorophenol (S)	62.5		%	35-104	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Nitrobenzene-d5 (S)	63.8		%	41-110	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Phenol-d5 (S)	60.6		%	40-100	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
Terphenyl-d14 (S)	80.3		%	38-113	SW846 8270D	8/3/11	GMG	8/4/11 21:46	DHF	A4
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 05:05	KJH	A2
Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 05:05	KJH	A2
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 05:05	KJH	A2
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 05:05	KJH	A2
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 05:05	KJH	A2
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 05:05	KJH	A2
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 05:05	KJH	A2
Aroclor-1260	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 05:05	KJH	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	115		%	46-120	SW846 8082A	8/3/11	CJG	8/5/11 05:05	KJH	A2
Tetrachloro-m-xylene (S)	110		%	52-115	SW846 8082A	8/3/11	CJG	8/5/11 05:05	KJH	A2
PESTICIDES										
Aldrin	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
alpha-BHC	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
beta-BHC	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
delta-BHC	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
gamma-BHC	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
alpha-Chlordane	228		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
gamma-Chlordane	177		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
4,4'-DDD	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
4,4'-DDE	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
4,4'-DDT	71.0		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105001** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B2[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Dieldrin	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
Endosulfan I	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
Endosulfan II	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
Endosulfan Sulfate	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
Endrin	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
Endrin Aldehyde	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
Endrin Ketone	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
Heptachlor	18.4		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
Heptachlor Epoxide	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
Methoxychlor	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
Mirex	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
Toxaphene	ND		ug/kg	376	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	84.5		%	30-117	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
Tetrachloro-m-xylene (S)	54.7		%	30-89	SW846 8081B	8/3/11	CJG	8/8/11 22:35	KJH	A1
WET CHEMISTRY										
Moisture	10		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
Total Solids	90.0		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
METALS										
Aluminum, Total	6940		mg/kg	10.3	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Antimony, Total	2.1		mg/kg	2.1	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Arsenic, Total	4.0		mg/kg	2.1	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Barium, Total	129		mg/kg	1.0	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Beryllium, Total	ND		mg/kg	1.0	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Cadmium, Total	ND		mg/kg	0.51	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Calcium, Total	32400	3	mg/kg	10.3	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Chromium, Total	17.0		mg/kg	1.0	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Cobalt, Total	5.0		mg/kg	1.0	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Copper, Total	45.4		mg/kg	2.1	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Iron, Total	11600		mg/kg	10.3	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Lead, Total	152		mg/kg	2.1	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Magnesium, Total	5210		mg/kg	10.3	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Manganese, Total	237		mg/kg	1.0	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Mercury, Total	0.33		mg/kg	0.19	SW846 7471B	8/4/11	MNP	8/4/11 15:25	MNP	A5
Nickel, Total	15.6		mg/kg	2.1	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Potassium, Total	1170		mg/kg	51.4	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Selenium, Total	ND		mg/kg	5.1	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Silver, Total	ND		mg/kg	0.51	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105001** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B2[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Sodium, Total	401		mg/kg	51.4	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Thallium, Total	ND		mg/kg	3.1	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Vanadium, Total	17.7		mg/kg	1.0	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3
Zinc, Total	153		mg/kg	2.1	SW846 6010C	8/3/11	KMK	8/5/11 01:17	SRT	A3

Sample Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105002** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B2[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	63.0		ug/kg	9.6	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Benzene	ND	4	ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
2-Butanone	ND		ug/kg	9.6	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
n-Butylbenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
tert-Butylbenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
sec-Butylbenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Carbon Tetrachloride	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Chlorobenzene	ND	5,6	ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Chloroform	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
1,2-Dichlorobenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
1,3-Dichlorobenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
1,4-Dichlorobenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
1,1-Dichloroethane	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
1,2-Dichloroethane	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
1,1-Dichloroethene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
cis-1,2-Dichloroethene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
trans-1,2-Dichloroethene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
1,4-Dioxane	ND		ug/kg	72.3	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Ethylbenzene	ND	7,8	ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Methyl t-Butyl Ether	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Methylene Chloride	27.6		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
n-Propylbenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Tetrachloroethene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Toluene	ND	10,9	ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Total Xylenes	ND		ug/kg	5.8	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
1,1,1-Trichloroethane	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Trichloroethene	ND	11	ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Vinyl Chloride	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	105		%	56-124	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
4-Bromofluorobenzene (S)	94.3		%	51-128	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Dibromofluoromethane (S)	99		%	62-123	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
Toluene-d8 (S)	93.2		%	59-131	8260/5035	8/2/11	MES	8/8/11 11:05	MES	A2
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Acenaphthylene	ND		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105002** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B2[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Anthracene	80.1		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Benzo(a)anthracene	642		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Benzo(a)pyrene	492		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Benzo(b)fluoranthene	614		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Benzo(g,h,i)perylene	230		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Benzo(k)fluoranthene	488		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
4-Bromophenyl-phenylether	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Butylbenzylphthalate	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Carbazole	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
4-Chloroaniline	ND		ug/kg	291	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
bis(2-Chloroethoxy)methane	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
bis(2-Chloroethyl)ether	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
bis(2-Chloroisopropyl)ether	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
2-Chloronaphthalene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
4-Chlorophenyl-phenylether	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Chrysene	708		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Di-n-Butylphthalate	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Di-n-Octylphthalate	ND		ug/kg	291	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Dibenzo(a,h)anthracene	108		ug/kg	64.7	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Dibenzofuran	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
1,2-Dichlorobenzene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
1,3-Dichlorobenzene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
1,4-Dichlorobenzene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
3,3-Dichlorobenzidine	ND		ug/kg	582	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Diethylphthalate	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Dimethylphthalate	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
2,4-Dinitrotoluene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
2,6-Dinitrotoluene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
bis(2-Ethylhexyl)phthalate	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Fluoranthene	735		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Fluorene	ND		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Hexachlorobenzene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Hexachlorobutadiene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Hexachlorocyclopentadiene	ND		ug/kg	291	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Hexachloroethane	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Indeno(1,2,3-cd)pyrene	229		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Isophorone	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
2-Methylnaphthalene	ND		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Naphthalene	ND		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
2-Nitroaniline	ND		ug/kg	291	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
3-Nitroaniline	ND		ug/kg	291	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105002** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B2[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/kg	291	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Nitrobenzene	ND		ug/kg	129	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
N-Nitroso-di-n-propylamine	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
N-Nitrosodiphenylamine	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Phenanthrene	587		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Pyrene	1050		ug/kg	53.9	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
1,2,4-Trichlorobenzene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	77.8		%	37-123	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
2-Fluorobiphenyl (S)	101		%	45-105	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
2-Fluorophenol (S)	82.7		%	35-104	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Nitrobenzene-d5 (S)	85.5		%	41-110	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Phenol-d5 (S)	78.6		%	40-100	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
Terphenyl-d14 (S)	122	12	%	38-113	SW846 8270D	8/3/11	GMG	8/4/11 22:18	DHF	A4
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:20	KJH	A2
Aroclor-1016	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:20	KJH	A2
Aroclor-1221	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:20	KJH	A2
Aroclor-1232	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:20	KJH	A2
Aroclor-1242	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:20	KJH	A2
Aroclor-1248	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:20	KJH	A2
Aroclor-1254	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:20	KJH	A2
Aroclor-1260	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:20	KJH	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	118		%	46-120	SW846 8082A	8/3/11	CJG	8/5/11 05:20	KJH	A2
Tetrachloro-m-xylene (S)	70		%	52-115	SW846 8082A	8/3/11	CJG	8/5/11 05:20	KJH	A2
PESTICIDES										
Aldrin	ND		ug/kg	8.8	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
alpha-BHC	ND		ug/kg	8.8	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
beta-BHC	ND		ug/kg	8.8	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
delta-BHC	ND		ug/kg	8.8	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
gamma-BHC	ND		ug/kg	8.8	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
alpha-Chlordane	ND		ug/kg	8.8	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
gamma-Chlordane	ND		ug/kg	8.8	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
4,4'-DDD	ND		ug/kg	17.0	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
4,4'-DDE	ND		ug/kg	17.0	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
4,4'-DDT	ND		ug/kg	17.0	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105002** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B2[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Dieldrin	ND		ug/kg	17.0	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
Endosulfan I	ND		ug/kg	8.8	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
Endosulfan II	ND		ug/kg	17.0	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
Endosulfan Sulfate	ND		ug/kg	17.0	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
Endrin	ND		ug/kg	17.0	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
Endrin Aldehyde	ND		ug/kg	17.0	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
Endrin Ketone	ND		ug/kg	17.0	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
Heptachlor	ND		ug/kg	8.8	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
Heptachlor Epoxide	ND		ug/kg	8.8	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
Methoxychlor	ND		ug/kg	17.0	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
Mirex	ND		ug/kg	17.0	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
Toxaphene	ND		ug/kg	361	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	72.8		%	30-117	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
Tetrachloro-m-xylene (S)	65.2		%	30-89	SW846 8081B	8/3/11	CJG	8/9/11 03:34	KJH	A1
WET CHEMISTRY										
Moisture	7.3		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
Total Solids	92.7		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
METALS										
Aluminum, Total	5000		mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Antimony, Total	ND		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Arsenic, Total	ND		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Barium, Total	38.2		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Beryllium, Total	ND		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Cadmium, Total	ND		mg/kg	0.46	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Calcium, Total	2900	3	mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Chromium, Total	11.7		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Cobalt, Total	4.7		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Copper, Total	18.6		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Iron, Total	8560		mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Lead, Total	29.7		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Magnesium, Total	2320		mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Manganese, Total	293		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Mercury, Total	ND		mg/kg	0.21	SW846 7471B	8/4/11	MNP	8/4/11 15:26	MNP	A5
Nickel, Total	10.1		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Potassium, Total	615		mg/kg	45.7	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Selenium, Total	ND		mg/kg	4.6	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Silver, Total	ND		mg/kg	0.46	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105002** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B2[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Sodium, Total	139		mg/kg	45.7	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Thallium, Total	ND		mg/kg	2.7	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Vanadium, Total	13.1		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3
Zinc, Total	32.5		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 01:20	SRT	A3

Sample Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105003** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B3[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	93.7		ug/kg	10.3	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Benzene	ND	4	ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
2-Butanone	ND		ug/kg	10.3	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
n-Butylbenzene	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
tert-Butylbenzene	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
sec-Butylbenzene	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Carbon Tetrachloride	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Chlorobenzene	ND	5,6	ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Chloroform	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
1,2-Dichlorobenzene	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
1,3-Dichlorobenzene	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
1,4-Dichlorobenzene	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
1,1-Dichloroethane	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
1,2-Dichloroethane	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
1,1-Dichloroethene	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
cis-1,2-Dichloroethene	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
trans-1,2-Dichloroethene	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
1,4-Dioxane	ND		ug/kg	77.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Ethylbenzene	ND	7,8	ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Methyl t-Butyl Ether	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Methylene Chloride	21.1		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
n-Propylbenzene	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Tetrachloroethene	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Toluene	20.5	10,9	ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Total Xylenes	14.1		ug/kg	6.2	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
1,1,1-Trichloroethane	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Trichloroethene	ND	11	ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Vinyl Chloride	ND		ug/kg	2.1	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	101		%	56-124	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
4-Bromofluorobenzene (S)	104		%	51-128	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Dibromofluoromethane (S)	103		%	62-123	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
Toluene-d8 (S)	101		%	59-131	8260/5035	8/2/11	MES	8/8/11 11:51	MES	A2
SEMIVOLATILES										
Acenaphthene	74.9		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Acenaphthylene	ND		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105003** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B3[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Anthracene	242		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Benzo(a)anthracene	800		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Benzo(a)pyrene	840		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Benzo(b)fluoranthene	832		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Benzo(g,h,i)perylene	242		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Benzo(k)fluoranthene	863		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
4-Bromophenyl-phenylether	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Butylbenzylphthalate	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Carbazole	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
4-Chloroaniline	ND		ug/kg	285	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
bis(2-Chloroethoxy)methane	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
bis(2-Chloroethyl)ether	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
bis(2-Chloroisopropyl)ether	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
2-Chloronaphthalene	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
4-Chlorophenyl-phenylether	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Chrysene	819		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Di-n-Butylphthalate	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Di-n-Octylphthalate	ND		ug/kg	285	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Dibenzo(a,h)anthracene	101		ug/kg	63.4	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Dibenzofuran	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
1,2-Dichlorobenzene	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
1,3-Dichlorobenzene	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
1,4-Dichlorobenzene	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
3,3-Dichlorobenzidine	ND		ug/kg	571	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Diethylphthalate	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Dimethylphthalate	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
2,4-Dinitrotoluene	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
2,6-Dinitrotoluene	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
bis(2-Ethylhexyl)phthalate	367		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Fluoranthene	848		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Fluorene	91.8		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Hexachlorobenzene	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Hexachlorobutadiene	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Hexachlorocyclopentadiene	ND		ug/kg	285	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Hexachloroethane	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Indeno(1,2,3-cd)pyrene	236		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Isophorone	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
2-Methylnaphthalene	ND		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Naphthalene	56.4		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
2-Nitroaniline	ND		ug/kg	285	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
3-Nitroaniline	ND		ug/kg	285	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105003** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B3[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/kg	285	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Nitrobenzene	ND		ug/kg	127	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
N-Nitroso-di-n-propylamine	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
N-Nitrosodiphenylamine	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Phenanthrene	963		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Pyrene	1480		ug/kg	52.9	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
1,2,4-Trichlorobenzene	ND		ug/kg	106	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	7.34	17	%	37-123	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
2-Fluorobiphenyl (S)	90		%	45-105	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
2-Fluorophenol (S)	29.5	16	%	35-104	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Nitrobenzene-d5 (S)	65.1		%	41-110	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Phenol-d5 (S)	56.2		%	40-100	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
Terphenyl-d14 (S)	89.9		%	38-113	SW846 8270D	8/3/11	GMG	8/4/11 22:49	DHF	A4
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:35	KJH	A2
Aroclor-1016	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:35	KJH	A2
Aroclor-1221	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:35	KJH	A2
Aroclor-1232	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:35	KJH	A2
Aroclor-1242	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:35	KJH	A2
Aroclor-1248	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:35	KJH	A2
Aroclor-1254	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:35	KJH	A2
Aroclor-1260	ND		mg/kg	0.034	SW846 8082A	8/3/11	CJG	8/5/11 05:35	KJH	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	95.3		%	46-120	SW846 8082A	8/3/11	CJG	8/5/11 05:35	KJH	A2
Tetrachloro-m-xylene (S)	60		%	52-115	SW846 8082A	8/3/11	CJG	8/5/11 05:35	KJH	A2
PESTICIDES										
Aldrin	ND		ug/kg	8.9	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
alpha-BHC	ND		ug/kg	8.9	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
beta-BHC	ND		ug/kg	8.9	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
delta-BHC	ND		ug/kg	8.9	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
gamma-BHC	ND		ug/kg	8.9	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
alpha-Chlordane	11.7		ug/kg	8.9	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
gamma-Chlordane	14.0		ug/kg	8.9	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
4,4'-DDD	ND		ug/kg	17.2	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
4,4'-DDE	ND		ug/kg	17.2	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
4,4'-DDT	35.5	13	ug/kg	17.2	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105003** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B3[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Dieldrin	ND		ug/kg	17.2	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
Endosulfan I	ND		ug/kg	8.9	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
Endosulfan II	ND		ug/kg	17.2	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
Endosulfan Sulfate	ND		ug/kg	17.2	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
Endrin	ND		ug/kg	17.2	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
Endrin Aldehyde	ND		ug/kg	17.2	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
Endrin Ketone	ND		ug/kg	17.2	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
Heptachlor	ND		ug/kg	8.9	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
Heptachlor Epoxide	ND		ug/kg	8.9	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
Methoxychlor	ND		ug/kg	17.2	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
Mirex	ND		ug/kg	17.2	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
Toxaphene	ND		ug/kg	365	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	65.3		%	30-117	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
Tetrachloro-m-xylene (S)	53.4		%	30-89	SW846 8081B	8/3/11	CJG	8/8/11 23:05	KJH	A1
WET CHEMISTRY										
Moisture	5.4		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
Total Solids	94.6		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
METALS										
Aluminum, Total	4880		mg/kg	10.2	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Antimony, Total	4.7		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Arsenic, Total	3.7		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Barium, Total	150		mg/kg	1.0	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Beryllium, Total	ND		mg/kg	1.0	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Cadmium, Total	0.52		mg/kg	0.51	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Calcium, Total	63000	3	mg/kg	10.2	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Chromium, Total	15.5		mg/kg	1.0	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Cobalt, Total	3.7		mg/kg	1.0	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Copper, Total	41.7		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Iron, Total	9820		mg/kg	10.2	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Lead, Total	353	14	mg/kg	10.2	SW846 6010C	8/3/11	KMK	8/5/11 06:21	SRT	A3
Magnesium, Total	19800		mg/kg	10.2	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Manganese, Total	177		mg/kg	1.0	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Mercury, Total	0.38		mg/kg	0.19	SW846 7471B	8/4/11	MNP	8/4/11 15:27	MNP	A5
Nickel, Total	10.2		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Potassium, Total	657	15	mg/kg	50.8	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Selenium, Total	ND		mg/kg	5.1	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Silver, Total	ND		mg/kg	0.51	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105003** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B3[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Sodium, Total	136		mg/kg	50.8	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Thallium, Total	ND		mg/kg	3.1	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Vanadium, Total	16.9		mg/kg	1.0	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3
Zinc, Total	176	15	mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 01:24	SRT	A3

Sample Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105004** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B3[10-13]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	197		ug/kg	13.3	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Benzene	ND	4	ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
2-Butanone	ND		ug/kg	13.3	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
n-Butylbenzene	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
tert-Butylbenzene	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
sec-Butylbenzene	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Carbon Tetrachloride	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Chlorobenzene	ND	5,6	ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Chloroform	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
1,2-Dichlorobenzene	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
1,3-Dichlorobenzene	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
1,4-Dichlorobenzene	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
1,1-Dichloroethane	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
1,2-Dichloroethane	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
1,1-Dichloroethene	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
cis-1,2-Dichloroethene	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
trans-1,2-Dichloroethene	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
1,4-Dioxane	ND		ug/kg	99.5	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Ethylbenzene	ND	7,8	ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Methyl t-Butyl Ether	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Methylene Chloride	33.6		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
n-Propylbenzene	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Tetrachloroethene	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Toluene	3.9	10,9	ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Total Xylenes	ND		ug/kg	8.0	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
1,1,1-Trichloroethane	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Trichloroethene	ND	11	ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Vinyl Chloride	ND		ug/kg	2.7	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	91.9		%	56-124	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
4-Bromofluorobenzene (S)	71.7		%	51-128	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Dibromofluoromethane (S)	84.8		%	62-123	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
Toluene-d8 (S)	69.7		%	59-131	8260/5035	8/2/11	MES	8/8/11 12:22	MES	A2
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Acenaphthylene	ND		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105004** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B3[10-13]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Anthracene	157		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Benzo(a)anthracene	796		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Benzo(a)pyrene	808		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Benzo(b)fluoranthene	818		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Benzo(g,h,i)perylene	237		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Benzo(k)fluoranthene	921		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
4-Bromophenyl-phenylether	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Butylbenzylphthalate	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Carbazole	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
4-Chloroaniline	ND		ug/kg	324	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
bis(2-Chloroethoxy)methane	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
bis(2-Chloroethyl)ether	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
bis(2-Chloroisopropyl)ether	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
2-Chloronaphthalene	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
4-Chlorophenyl-phenylether	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Chrysene	780		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Di-n-Butylphthalate	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Di-n-Octylphthalate	ND		ug/kg	324	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Dibenzo(a,h)anthracene	94.7		ug/kg	72.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Dibenzofuran	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
1,2-Dichlorobenzene	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
1,3-Dichlorobenzene	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
1,4-Dichlorobenzene	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
3,3-Dichlorobenzidine	ND		ug/kg	648	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Diethylphthalate	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Dimethylphthalate	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
2,4-Dinitrotoluene	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
2,6-Dinitrotoluene	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
bis(2-Ethylhexyl)phthalate	173		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Fluoranthene	952		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Fluorene	ND		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Hexachlorobenzene	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Hexachlorobutadiene	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Hexachlorocyclopentadiene	ND		ug/kg	324	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Hexachloroethane	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Indeno(1,2,3-cd)pyrene	255		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Isophorone	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
2-Methylnaphthalene	ND		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Naphthalene	ND		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
2-Nitroaniline	ND		ug/kg	324	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
3-Nitroaniline	ND		ug/kg	324	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105004** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B3[10-13]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/kg	324	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Nitrobenzene	ND		ug/kg	144	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
N-Nitroso-di-n-propylamine	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
N-Nitrosodiphenylamine	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Phenanthrene	659		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Pyrene	1300		ug/kg	60.0	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
1,2,4-Trichlorobenzene	ND		ug/kg	120	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	62.3		%	37-123	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
2-Fluorobiphenyl (S)	78.2		%	45-105	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
2-Fluorophenol (S)	58.5		%	35-104	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Nitrobenzene-d5 (S)	61.1		%	41-110	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Phenol-d5 (S)	58.8		%	40-100	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
Terphenyl-d14 (S)	72.9		%	38-113	SW846 8270D	8/3/11	GMG	8/4/11 23:21	DHF	A4
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 05:50	KJH	A2
Aroclor-1016	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 05:50	KJH	A2
Aroclor-1221	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 05:50	KJH	A2
Aroclor-1232	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 05:50	KJH	A2
Aroclor-1242	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 05:50	KJH	A2
Aroclor-1248	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 05:50	KJH	A2
Aroclor-1254	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 05:50	KJH	A2
Aroclor-1260	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 05:50	KJH	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	109		%	46-120	SW846 8082A	8/3/11	CJG	8/5/11 05:50	KJH	A2
Tetrachloro-m-xylene (S)	104		%	52-115	SW846 8082A	8/3/11	CJG	8/5/11 05:50	KJH	A2
PESTICIDES										
Aldrin	ND		ug/kg	10.1	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
alpha-BHC	ND		ug/kg	10.1	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
beta-BHC	ND		ug/kg	10.1	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
delta-BHC	ND		ug/kg	10.1	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
gamma-BHC	ND		ug/kg	10.1	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
alpha-Chlordane	31.7		ug/kg	10.1	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
gamma-Chlordane	27.9		ug/kg	10.1	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
4,4'-DDD	ND		ug/kg	19.5	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
4,4'-DDE	ND		ug/kg	19.5	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
4,4'-DDT	26.0		ug/kg	19.5	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105004** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B3[10-13]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Dieldrin	ND		ug/kg	19.5	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
Endosulfan I	ND		ug/kg	10.1	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
Endosulfan II	ND		ug/kg	19.5	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
Endosulfan Sulfate	ND		ug/kg	19.5	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
Endrin	ND		ug/kg	19.5	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
Endrin Aldehyde	ND		ug/kg	19.5	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
Endrin Ketone	ND		ug/kg	19.5	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
Heptachlor	ND		ug/kg	10.1	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
Heptachlor Epoxide	ND		ug/kg	10.1	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
Methoxychlor	ND		ug/kg	19.5	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
Mirex	ND		ug/kg	19.5	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
Toxaphene	ND		ug/kg	414	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	79.5		%	30-117	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
Tetrachloro-m-xylene (S)	56.2		%	30-89	SW846 8081B	8/3/11	CJG	8/8/11 23:35	KJH	A1
WET CHEMISTRY										
Moisture	17.2		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
Total Solids	82.8		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
METALS										
Aluminum, Total	5550		mg/kg	11.2	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Antimony, Total	ND		mg/kg	2.2	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Arsenic, Total	4.2		mg/kg	2.2	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Barium, Total	156		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Beryllium, Total	ND		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Cadmium, Total	ND		mg/kg	0.56	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Calcium, Total	18000	3	mg/kg	11.2	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Chromium, Total	15.0		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Cobalt, Total	4.6		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Copper, Total	31.4		mg/kg	2.2	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Iron, Total	10600		mg/kg	11.2	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Lead, Total	229		mg/kg	2.2	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Magnesium, Total	2660		mg/kg	11.2	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Manganese, Total	200		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Mercury, Total	0.28		mg/kg	0.24	SW846 7471B	8/5/11	MNP	8/5/11 13:52	MNP	A5
Nickel, Total	11.2		mg/kg	2.2	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Potassium, Total	675		mg/kg	55.9	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Selenium, Total	ND		mg/kg	5.6	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Silver, Total	ND		mg/kg	0.56	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105004** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B3[10-13]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Sodium, Total	104		mg/kg	55.9	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Thallium, Total	ND		mg/kg	3.4	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Vanadium, Total	17.3		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3
Zinc, Total	177		mg/kg	2.2	SW846 6010C	8/3/11	KMK	8/5/11 01:37	SRT	A3

Sample Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Anna G Milliken
Technical Manager

ALS Environmental
34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105005** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B4[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	9.6	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Benzene	ND	4	ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
2-Butanone	ND		ug/kg	9.6	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
n-Butylbenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
tert-Butylbenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
sec-Butylbenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Carbon Tetrachloride	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Chlorobenzene	ND	5,6	ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Chloroform	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
1,2-Dichlorobenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
1,3-Dichlorobenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
1,4-Dichlorobenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
1,1-Dichloroethane	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
1,2-Dichloroethane	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
1,1-Dichloroethene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
cis-1,2-Dichloroethene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
trans-1,2-Dichloroethene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
1,4-Dioxane	ND		ug/kg	71.6	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Ethylbenzene	ND	7,8	ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Methyl t-Butyl Ether	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Methylene Chloride	18.7		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
n-Propylbenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Tetrachloroethene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Toluene	11.4	10,9	ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Total Xylenes	11.0		ug/kg	5.7	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
1,1,1-Trichloroethane	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Trichloroethene	ND	11	ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Vinyl Chloride	ND		ug/kg	1.9	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	104		%	56-124	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
4-Bromofluorobenzene (S)	109		%	51-128	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Dibromofluoromethane (S)	109		%	62-123	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
Toluene-d8 (S)	110		%	59-131	8260/5035	8/2/11	MES	8/8/11 12:52	MES	A2
SEMIVOLATILES										
Acenaphthene	78.9		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Acenaphthylene	ND		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105005** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B4[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Anthracene	277		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Benzo(a)anthracene	1050		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Benzo(a)pyrene	1030		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Benzo(b)fluoranthene	959		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Benzo(g,h,i)perylene	300		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Benzo(k)fluoranthene	1150		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
4-Bromophenyl-phenylether	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Butylbenzylphthalate	181		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Carbazole	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
4-Chloroaniline	ND		ug/kg	292	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
bis(2-Chloroethoxy)methane	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
bis(2-Chloroethyl)ether	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
bis(2-Chloroisopropyl)ether	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
2-Chloronaphthalene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
4-Chlorophenyl-phenylether	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Chrysene	1080		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Di-n-Butylphthalate	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Di-n-Octylphthalate	ND		ug/kg	292	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Dibenzo(a,h)anthracene	123		ug/kg	64.9	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Dibenzofuran	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
1,2-Dichlorobenzene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
1,3-Dichlorobenzene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
1,4-Dichlorobenzene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
3,3-Dichlorobenzidine	ND		ug/kg	584	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Diethylphthalate	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Dimethylphthalate	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
2,4-Dinitrotoluene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
2,6-Dinitrotoluene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
bis(2-Ethylhexyl)phthalate	594		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Fluoranthene	1160		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Fluorene	87.7		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Hexachlorobenzene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Hexachlorobutadiene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Hexachlorocyclopentadiene	ND		ug/kg	292	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Hexachloroethane	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Indeno(1,2,3-cd)pyrene	291		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Isophorone	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
2-Methylnaphthalene	ND		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Naphthalene	ND		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
2-Nitroaniline	ND		ug/kg	292	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
3-Nitroaniline	ND		ug/kg	292	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105005** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B4[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/kg	292	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Nitrobenzene	ND		ug/kg	130	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
N-Nitroso-di-n-propylamine	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
N-Nitrosodiphenylamine	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Phenanthrene	1150		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Pyrene	1960		ug/kg	54.1	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
1,2,4-Trichlorobenzene	ND		ug/kg	108	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	65.7		%	37-123	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
2-Fluorobiphenyl (S)	83.8		%	45-105	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
2-Fluorophenol (S)	63.1		%	35-104	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Nitrobenzene-d5 (S)	64.8		%	41-110	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Phenol-d5 (S)	59.4		%	40-100	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
Terphenyl-d14 (S)	81		%	38-113	SW846 8270D	8/3/11	GMG	8/4/11 23:52	DHF	A4
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:05	KJH	A2
Aroclor-1016	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:05	KJH	A2
Aroclor-1221	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:05	KJH	A2
Aroclor-1232	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:05	KJH	A2
Aroclor-1242	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:05	KJH	A2
Aroclor-1248	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:05	KJH	A2
Aroclor-1254	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:05	KJH	A2
Aroclor-1260	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:05	KJH	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	79.4		%	46-120	SW846 8082A	8/3/11	CJG	8/5/11 06:05	KJH	A2
Tetrachloro-m-xylene (S)	86.1		%	52-115	SW846 8082A	8/3/11	CJG	8/5/11 06:05	KJH	A2
PESTICIDES										
Aldrin	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
alpha-BHC	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
beta-BHC	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
delta-BHC	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
gamma-BHC	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
alpha-Chlordane	11.1		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
gamma-Chlordane	9.7		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
4,4'-DDD	ND		ug/kg	17.8	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
4,4'-DDE	ND		ug/kg	17.8	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
4,4'-DDT	ND		ug/kg	17.8	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105005** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B4[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Dieldrin	ND		ug/kg	17.8	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
Endosulfan I	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
Endosulfan II	ND		ug/kg	17.8	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
Endosulfan Sulfate	ND		ug/kg	17.8	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
Endrin	ND		ug/kg	17.8	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
Endrin Aldehyde	ND		ug/kg	17.8	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
Endrin Ketone	ND		ug/kg	17.8	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
Heptachlor	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
Heptachlor Epoxide	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
Methoxychlor	ND		ug/kg	17.8	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
Mirex	ND		ug/kg	17.8	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
Toxaphene	ND		ug/kg	378	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	58.6		%	30-117	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
Tetrachloro-m-xylene (S)	48.7		%	30-89	SW846 8081B	8/3/11	CJG	8/9/11 00:04	KJH	A1
WET CHEMISTRY										
Moisture	7.5		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
Total Solids	92.5		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
METALS										
Aluminum, Total	6320		mg/kg	9.8	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Antimony, Total	2.5		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Arsenic, Total	4.8		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Barium, Total	132		mg/kg	0.98	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Beryllium, Total	ND		mg/kg	0.98	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Cadmium, Total	0.68		mg/kg	0.49	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Calcium, Total	10400	3	mg/kg	9.8	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Chromium, Total	17.5		mg/kg	0.98	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Cobalt, Total	5.6		mg/kg	0.98	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Copper, Total	51.6		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Iron, Total	13100		mg/kg	9.8	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Lead, Total	195		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Magnesium, Total	3200		mg/kg	9.8	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Manganese, Total	239		mg/kg	0.98	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Mercury, Total	0.46		mg/kg	0.21	SW846 7471B	8/5/11	MNP	8/5/11 13:53	MNP	A5
Nickel, Total	17.1		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Potassium, Total	1490		mg/kg	49.1	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Selenium, Total	ND		mg/kg	4.9	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Silver, Total	ND		mg/kg	0.49	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105005** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B4[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Sodium, Total	102		mg/kg	49.1	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Thallium, Total	ND		mg/kg	2.9	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Vanadium, Total	22.7		mg/kg	0.98	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3
Zinc, Total	229		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 01:41	SRT	A3

Sample Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105006** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B4[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	13.0		ug/kg	9.1	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Benzene	ND	4	ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
2-Butanone	ND		ug/kg	9.1	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
n-Butylbenzene	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
tert-Butylbenzene	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
sec-Butylbenzene	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Carbon Tetrachloride	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Chlorobenzene	ND	5,6	ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Chloroform	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
1,2-Dichlorobenzene	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
1,3-Dichlorobenzene	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
1,4-Dichlorobenzene	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
1,1-Dichloroethane	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
1,2-Dichloroethane	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
1,1-Dichloroethene	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
cis-1,2-Dichloroethene	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
trans-1,2-Dichloroethene	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
1,4-Dioxane	ND		ug/kg	67.9	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Ethylbenzene	ND	7,8	ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Methyl t-Butyl Ether	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Methylene Chloride	25.9		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
n-Propylbenzene	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Tetrachloroethene	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Toluene	ND	10,9	ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Total Xylenes	ND		ug/kg	5.4	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
1,1,1-Trichloroethane	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Trichloroethene	ND	11	ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Vinyl Chloride	ND		ug/kg	1.8	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	103		%	56-124	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
4-Bromofluorobenzene (S)	93.8		%	51-128	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Dibromofluoromethane (S)	96.7		%	62-123	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
Toluene-d8 (S)	118		%	59-131	8260/5035	8/2/11	MES	8/8/11 13:22	MES	A2
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Acenaphthylene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105006** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B4[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Anthracene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Benzo(a)anthracene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Benzo(a)pyrene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Benzo(b)fluoranthene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Benzo(g,h,i)perylene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Benzo(k)fluoranthene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
4-Bromophenyl-phenylether	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Butylbenzylphthalate	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Carbazole	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
4-Chloroaniline	ND		ug/kg	312	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
bis(2-Chloroethoxy)methane	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
bis(2-Chloroethyl)ether	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
bis(2-Chloroisopropyl)ether	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
2-Chloronaphthalene	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
4-Chlorophenyl-phenylether	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Chrysene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Di-n-Butylphthalate	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Di-n-Octylphthalate	ND		ug/kg	312	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Dibenzo(a,h)anthracene	ND		ug/kg	69.4	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Dibenzofuran	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
1,2-Dichlorobenzene	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
1,3-Dichlorobenzene	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
1,4-Dichlorobenzene	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
3,3-Dichlorobenzidine	ND		ug/kg	625	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Diethylphthalate	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Dimethylphthalate	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
2,4-Dinitrotoluene	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
2,6-Dinitrotoluene	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
bis(2-Ethylhexyl)phthalate	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Fluoranthene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Fluorene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Hexachlorobenzene	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Hexachlorobutadiene	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Hexachlorocyclopentadiene	ND		ug/kg	312	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Hexachloroethane	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Indeno(1,2,3-cd)pyrene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Isophorone	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
2-Methylnaphthalene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Naphthalene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
2-Nitroaniline	ND		ug/kg	312	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
3-Nitroaniline	ND		ug/kg	312	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105006** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B4[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/kg	312	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Nitrobenzene	ND		ug/kg	139	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
N-Nitroso-di-n-propylamine	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
N-Nitrosodiphenylamine	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Phenanthrene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Pyrene	ND		ug/kg	57.9	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
1,2,4-Trichlorobenzene	ND		ug/kg	116	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	59.9		%	37-123	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
2-Fluorobiphenyl (S)	83.3		%	45-105	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
2-Fluorophenol (S)	69.7		%	35-104	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Nitrobenzene-d5 (S)	74.4		%	41-110	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Phenol-d5 (S)	67		%	40-100	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
Terphenyl-d14 (S)	101		%	38-113	SW846 8270D	8/3/11	GMG	8/5/11 00:24	DHF	A4
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.038	SW846 8082A	8/3/11	CJG	8/5/11 06:20	KJH	A2
Aroclor-1016	ND		mg/kg	0.038	SW846 8082A	8/3/11	CJG	8/5/11 06:20	KJH	A2
Aroclor-1221	ND		mg/kg	0.038	SW846 8082A	8/3/11	CJG	8/5/11 06:20	KJH	A2
Aroclor-1232	ND		mg/kg	0.038	SW846 8082A	8/3/11	CJG	8/5/11 06:20	KJH	A2
Aroclor-1242	ND		mg/kg	0.038	SW846 8082A	8/3/11	CJG	8/5/11 06:20	KJH	A2
Aroclor-1248	ND		mg/kg	0.038	SW846 8082A	8/3/11	CJG	8/5/11 06:20	KJH	A2
Aroclor-1254	ND		mg/kg	0.038	SW846 8082A	8/3/11	CJG	8/5/11 06:20	KJH	A2
Aroclor-1260	ND		mg/kg	0.038	SW846 8082A	8/3/11	CJG	8/5/11 06:20	KJH	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	86		%	46-120	SW846 8082A	8/3/11	CJG	8/5/11 06:20	KJH	A2
Tetrachloro-m-xylene (S)	108		%	52-115	SW846 8082A	8/3/11	CJG	8/5/11 06:20	KJH	A2
PESTICIDES										
Aldrin	ND		ug/kg	9.8	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
alpha-BHC	ND		ug/kg	9.8	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
beta-BHC	ND		ug/kg	9.8	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
delta-BHC	ND		ug/kg	9.8	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
gamma-BHC	ND		ug/kg	9.8	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
alpha-Chlordane	ND		ug/kg	9.8	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
gamma-Chlordane	ND		ug/kg	9.8	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
4,4'-DDD	ND		ug/kg	19.0	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
4,4'-DDE	ND		ug/kg	19.0	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
4,4'-DDT	ND		ug/kg	19.0	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105006** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B4[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Dieldrin	ND		ug/kg	19.0	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
Endosulfan I	ND		ug/kg	9.8	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
Endosulfan II	ND		ug/kg	19.0	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
Endosulfan Sulfate	ND		ug/kg	19.0	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
Endrin	ND		ug/kg	19.0	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
Endrin Aldehyde	ND		ug/kg	19.0	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
Endrin Ketone	ND		ug/kg	19.0	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
Heptachlor	ND		ug/kg	9.8	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
Heptachlor Epoxide	ND		ug/kg	9.8	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
Methoxychlor	ND		ug/kg	19.0	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
Mirex	ND		ug/kg	19.0	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
Toxaphene	ND		ug/kg	404	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	56.9		%	30-117	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
Tetrachloro-m-xylene (S)	59.4		%	30-89	SW846 8081B	8/3/11	CJG	8/9/11 04:04	KJH	A1
WET CHEMISTRY										
Moisture	13.9		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
Total Solids	86.1		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
METALS										
Aluminum, Total	6520		mg/kg	11.2	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Antimony, Total	ND		mg/kg	2.2	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Arsenic, Total	3.1		mg/kg	2.2	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Barium, Total	51.9		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Beryllium, Total	ND		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Cadmium, Total	ND		mg/kg	0.56	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Calcium, Total	1030	3	mg/kg	11.2	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Chromium, Total	16.8		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Cobalt, Total	5.2		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Copper, Total	10.1		mg/kg	2.2	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Iron, Total	12800		mg/kg	11.2	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Lead, Total	4.8		mg/kg	2.2	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Magnesium, Total	2140		mg/kg	11.2	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Manganese, Total	220		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Mercury, Total	ND		mg/kg	0.21	SW846 7471B	8/5/11	MNP	8/5/11 13:56	MNP	A5
Nickel, Total	12.1		mg/kg	2.2	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Potassium, Total	564		mg/kg	55.8	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Selenium, Total	ND		mg/kg	5.6	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Silver, Total	ND		mg/kg	0.56	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105006** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B4[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Sodium, Total	58.3		mg/kg	55.8	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Thallium, Total	ND		mg/kg	3.3	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Vanadium, Total	22.0		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3
Zinc, Total	25.5		mg/kg	2.2	SW846 6010C	8/3/11	KMK	8/5/11 01:57	SRT	A3

Sample Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105007** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B5[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	67.9	18	ug/kg	12.6	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Benzene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
2-Butanone	ND		ug/kg	12.6	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
n-Butylbenzene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
tert-Butylbenzene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
sec-Butylbenzene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Carbon Tetrachloride	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Chlorobenzene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Chloroform	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
1,2-Dichlorobenzene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
1,3-Dichlorobenzene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
1,4-Dichlorobenzene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
1,1-Dichloroethane	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
1,2-Dichloroethane	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
1,1-Dichloroethene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
cis-1,2-Dichloroethene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
trans-1,2-Dichloroethene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
1,4-Dioxane	ND		ug/kg	94.6	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Ethylbenzene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Methyl t-Butyl Ether	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Methylene Chloride	25.1	1,2	ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
n-Propylbenzene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Tetrachloroethene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Toluene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Total Xylenes	ND		ug/kg	7.6	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
1,1,1-Trichloroethane	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Trichloroethene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Vinyl Chloride	ND		ug/kg	2.5	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	98.2		%	56-124	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
4-Bromofluorobenzene (S)	92.9		%	51-128	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Dibromofluoromethane (S)	93.2		%	62-123	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
Toluene-d8 (S)	87.8		%	59-131	8260/5035	8/2/11	DJB	8/8/11 21:20	DJB	A2
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Acenaphthylene	ND		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105007** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B5[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Anthracene	74.5		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Benzo(a)anthracene	307		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Benzo(a)pyrene	318		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Benzo(b)fluoranthene	347		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Benzo(g,h,i)perylene	108		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Benzo(k)fluoranthene	361		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
4-Bromophenyl-phenylether	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Butylbenzylphthalate	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Carbazole	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
4-Chloroaniline	ND		ug/kg	290	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
bis(2-Chloroethoxy)methane	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
bis(2-Chloroethyl)ether	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
bis(2-Chloroisopropyl)ether	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
2-Chloronaphthalene	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
4-Chlorophenyl-phenylether	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Chrysene	325		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Di-n-Butylphthalate	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Di-n-Octylphthalate	ND		ug/kg	290	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Dibenzo(a,h)anthracene	ND		ug/kg	64.4	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Dibenzofuran	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
1,2-Dichlorobenzene	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
1,3-Dichlorobenzene	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
1,4-Dichlorobenzene	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
3,3-Dichlorobenzidine	ND		ug/kg	579	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Diethylphthalate	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Dimethylphthalate	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
2,4-Dinitrotoluene	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
2,6-Dinitrotoluene	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
bis(2-Ethylhexyl)phthalate	135		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Fluoranthene	304		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Fluorene	ND		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Hexachlorobenzene	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Hexachlorobutadiene	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Hexachlorocyclopentadiene	ND		ug/kg	290	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Hexachloroethane	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Indeno(1,2,3-cd)pyrene	108		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Isophorone	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
2-Methylnaphthalene	ND		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Naphthalene	ND		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
2-Nitroaniline	ND		ug/kg	290	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
3-Nitroaniline	ND		ug/kg	290	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105007** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B5[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/kg	290	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Nitrobenzene	ND		ug/kg	129	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
N-Nitroso-di-n-propylamine	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
N-Nitrosodiphenylamine	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Phenanthrene	346		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Pyrene	588		ug/kg	53.7	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
1,2,4-Trichlorobenzene	ND		ug/kg	107	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	58.8		%	37-123	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
2-Fluorobiphenyl (S)	79.7		%	45-105	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
2-Fluorophenol (S)	65.9		%	35-104	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Nitrobenzene-d5 (S)	64.4		%	41-110	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Phenol-d5 (S)	62.3		%	40-100	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
Terphenyl-d14 (S)	83		%	38-113	SW846 8270D	8/3/11	GMG	8/5/11 00:55	DHF	A4
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:36	KJH	A2
Aroclor-1016	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:36	KJH	A2
Aroclor-1221	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:36	KJH	A2
Aroclor-1232	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:36	KJH	A2
Aroclor-1242	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:36	KJH	A2
Aroclor-1248	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:36	KJH	A2
Aroclor-1254	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:36	KJH	A2
Aroclor-1260	ND		mg/kg	0.036	SW846 8082A	8/3/11	CJG	8/5/11 06:36	KJH	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	97.2		%	46-120	SW846 8082A	8/3/11	CJG	8/5/11 06:36	KJH	A2
Tetrachloro-m-xylene (S)	90.7		%	52-115	SW846 8082A	8/3/11	CJG	8/5/11 06:36	KJH	A2
PESTICIDES										
Aldrin	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
alpha-BHC	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
beta-BHC	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
delta-BHC	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
gamma-BHC	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
alpha-Chlordane	22.9		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
gamma-Chlordane	31.4		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
4,4'-DDD	ND		ug/kg	17.9	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
4,4'-DDE	ND		ug/kg	17.9	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
4,4'-DDT	ND		ug/kg	17.9	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105007** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B5[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Dieldrin	ND		ug/kg	17.9	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
Endosulfan I	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
Endosulfan II	ND		ug/kg	17.9	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
Endosulfan Sulfate	ND		ug/kg	17.9	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
Endrin	ND		ug/kg	17.9	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
Endrin Aldehyde	ND		ug/kg	17.9	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
Endrin Ketone	ND		ug/kg	17.9	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
Heptachlor	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
Heptachlor Epoxide	ND		ug/kg	9.2	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
Methoxychlor	ND		ug/kg	17.9	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
Mirex	ND		ug/kg	17.9	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
Toxaphene	ND		ug/kg	381	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	64		%	30-117	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
Tetrachloro-m-xylene (S)	51.1		%	30-89	SW846 8081B	8/3/11	CJG	8/9/11 02:04	KJH	A1
WET CHEMISTRY										
Moisture	8.6		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
Total Solids	91.4		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
METALS										
Aluminum, Total	8840		mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Antimony, Total	ND		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Arsenic, Total	4.6		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Barium, Total	111		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Beryllium, Total	ND		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Cadmium, Total	ND		mg/kg	0.46	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Calcium, Total	11000	3	mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Chromium, Total	22.4		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Cobalt, Total	5.9		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Copper, Total	23.8		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Iron, Total	13800		mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Lead, Total	154		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Magnesium, Total	3030		mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Manganese, Total	210		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Mercury, Total	ND		mg/kg	0.22	SW846 7471B	8/5/11	MNP	8/5/11 13:57	MNP	A5
Nickel, Total	16.9		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Potassium, Total	1060		mg/kg	45.6	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Selenium, Total	ND		mg/kg	4.6	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Silver, Total	ND		mg/kg	0.46	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105007** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B5[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Sodium, Total	89.6		mg/kg	45.6	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Thallium, Total	ND		mg/kg	2.7	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Vanadium, Total	26.3		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3
Zinc, Total	122		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:01	SRT	A3

Sample Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105008** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B5[11-13]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	230		ug/kg	59.1	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Benzene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
2-Butanone	ND		ug/kg	59.1	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
n-Butylbenzene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
tert-Butylbenzene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
sec-Butylbenzene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Carbon Tetrachloride	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Chlorobenzene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Chloroform	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
1,2-Dichlorobenzene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
1,3-Dichlorobenzene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
1,4-Dichlorobenzene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
1,1-Dichloroethane	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
1,2-Dichloroethane	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
1,1-Dichloroethene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
cis-1,2-Dichloroethene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
trans-1,2-Dichloroethene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
1,4-Dioxane	ND		ug/kg	444	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Ethylbenzene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Methyl t-Butyl Ether	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Methylene Chloride	159		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
n-Propylbenzene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Tetrachloroethene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Toluene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Total Xylenes	ND		ug/kg	35.5	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
1,1,1-Trichloroethane	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Trichloroethene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
1,2,4-Trimethylbenzene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
1,3,5-Trimethylbenzene	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Vinyl Chloride	ND		ug/kg	11.8	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	116		%	56-124	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
4-Bromofluorobenzene (S)	114		%	51-128	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Dibromofluoromethane (S)	111		%	62-123	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
Toluene-d8 (S)	112		%	59-131	8260/5035	8/2/11	DJB	8/10/11 01:45	DJB	A3
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Acenaphthylene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105008** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B5[11-13]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Anthracene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Benzo(a)anthracene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Benzo(a)pyrene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Benzo(b)fluoranthene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Benzo(g,h,i)perylene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Benzo(k)fluoranthene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
4-Bromophenyl-phenylether	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Butylbenzylphthalate	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Carbazole	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
4-Chloroaniline	ND		ug/kg	310	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
bis(2-Chloroethoxy)methane	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
bis(2-Chloroethyl)ether	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
bis(2-Chloroisopropyl)ether	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
2-Chloronaphthalene	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
4-Chlorophenyl-phenylether	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Chrysene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Di-n-Butylphthalate	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Di-n-Octylphthalate	ND		ug/kg	310	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Dibenzo(a,h)anthracene	ND		ug/kg	68.9	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Dibenzofuran	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
1,2-Dichlorobenzene	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
1,3-Dichlorobenzene	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
1,4-Dichlorobenzene	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
3,3-Dichlorobenzidine	ND		ug/kg	620	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Diethylphthalate	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Dimethylphthalate	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
2,4-Dinitrotoluene	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
2,6-Dinitrotoluene	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
bis(2-Ethylhexyl)phthalate	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Fluoranthene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Fluorene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Hexachlorobenzene	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Hexachlorobutadiene	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Hexachlorocyclopentadiene	ND		ug/kg	310	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Hexachloroethane	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Indeno(1,2,3-cd)pyrene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Isophorone	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
2-Methylnaphthalene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Naphthalene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
2-Nitroaniline	ND		ug/kg	310	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
3-Nitroaniline	ND		ug/kg	310	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105008** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B5[11-13]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/kg	310	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Nitrobenzene	ND		ug/kg	138	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
N-Nitroso-di-n-propylamine	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
N-Nitrosodiphenylamine	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Phenanthrene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Pyrene	ND		ug/kg	57.4	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
1,2,4-Trichlorobenzene	ND		ug/kg	115	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	62		%	37-123	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
2-Fluorobiphenyl (S)	81.8		%	45-105	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
2-Fluorophenol (S)	69.1		%	35-104	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Nitrobenzene-d5 (S)	71.4		%	41-110	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Phenol-d5 (S)	67.7		%	40-100	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
Terphenyl-d14 (S)	114		%	38-113	SW846 8270D	8/3/11	GMG	8/5/11 01:27	DHF	A4
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 07:06	KJH	A2
Aroclor-1016	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 07:06	KJH	A2
Aroclor-1221	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 07:06	KJH	A2
Aroclor-1232	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 07:06	KJH	A2
Aroclor-1242	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 07:06	KJH	A2
Aroclor-1248	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 07:06	KJH	A2
Aroclor-1254	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 07:06	KJH	A2
Aroclor-1260	ND		mg/kg	0.039	SW846 8082A	8/3/11	CJG	8/5/11 07:06	KJH	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	90.9		%	46-120	SW846 8082A	8/3/11	CJG	8/5/11 07:06	KJH	A2
Tetrachloro-m-xylene (S)	64.9		%	52-115	SW846 8082A	8/3/11	CJG	8/5/11 07:06	KJH	A2
PESTICIDES										
Aldrin	ND		ug/kg	10	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
alpha-BHC	ND		ug/kg	10	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
beta-BHC	ND		ug/kg	10	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
delta-BHC	ND		ug/kg	10	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
gamma-BHC	ND		ug/kg	10	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
alpha-Chlordane	ND		ug/kg	10	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
gamma-Chlordane	ND		ug/kg	10	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
4,4'-DDD	ND		ug/kg	19.4	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
4,4'-DDE	ND		ug/kg	19.4	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
4,4'-DDT	ND		ug/kg	19.4	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105008** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B5[11-13]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Dieldrin	ND		ug/kg	19.4	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
Endosulfan I	ND		ug/kg	10	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
Endosulfan II	ND		ug/kg	19.4	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
Endosulfan Sulfate	ND		ug/kg	19.4	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
Endrin	ND		ug/kg	19.4	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
Endrin Aldehyde	ND		ug/kg	19.4	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
Endrin Ketone	ND		ug/kg	19.4	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
Heptachlor	ND		ug/kg	10	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
Heptachlor Epoxide	ND		ug/kg	10	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
Methoxychlor	ND		ug/kg	19.4	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
Mirex	ND		ug/kg	19.4	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
Toxaphene	ND		ug/kg	411	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	65.6		%	30-117	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
Tetrachloro-m-xylene (S)	60.4		%	30-89	SW846 8081B	8/3/11	CJG	8/9/11 04:34	KJH	A1
WET CHEMISTRY										
Moisture	15.5		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
Total Solids	84.5		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
METALS										
Aluminum, Total	6880		mg/kg	11.4	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Antimony, Total	ND		mg/kg	2.3	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Arsenic, Total	ND		mg/kg	2.3	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Barium, Total	36.4		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Beryllium, Total	ND		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Cadmium, Total	ND		mg/kg	0.57	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Calcium, Total	815	3	mg/kg	11.4	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Chromium, Total	12.8		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Cobalt, Total	8.2		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Copper, Total	9.6		mg/kg	2.3	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Iron, Total	9420		mg/kg	11.4	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Lead, Total	4.3		mg/kg	2.3	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Magnesium, Total	1830		mg/kg	11.4	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Manganese, Total	191		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Mercury, Total	ND		mg/kg	0.21	SW846 7471B	8/5/11	MNP	8/5/11 14:01	MNP	A5
Nickel, Total	12.3		mg/kg	2.3	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Potassium, Total	444		mg/kg	56.9	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Selenium, Total	ND		mg/kg	5.7	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Silver, Total	ND		mg/kg	0.57	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105008** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B5[11-13]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Sodium, Total	ND		mg/kg	56.9	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Thallium, Total	ND		mg/kg	3.4	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Vanadium, Total	13.1		mg/kg	1.1	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3
Zinc, Total	23.5		mg/kg	2.3	SW846 6010C	8/3/11	KMK	8/5/11 02:04	SRT	A3

Sample Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105009** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B6[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	88.2		ug/kg	8.6	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Benzene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
2-Butanone	ND		ug/kg	8.6	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
n-Butylbenzene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
tert-Butylbenzene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
sec-Butylbenzene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Carbon Tetrachloride	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Chlorobenzene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Chloroform	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
1,2-Dichlorobenzene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
1,3-Dichlorobenzene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
1,4-Dichlorobenzene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
1,1-Dichloroethane	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
1,2-Dichloroethane	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
1,1-Dichloroethene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
cis-1,2-Dichloroethene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
trans-1,2-Dichloroethene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
1,4-Dioxane	ND		ug/kg	64.2	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Ethylbenzene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Methyl t-Butyl Ether	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Methylene Chloride	16.8	1,2	ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
n-Propylbenzene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Tetrachloroethene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Toluene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Total Xylenes	ND		ug/kg	5.1	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
1,1,1-Trichloroethane	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Trichloroethene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Vinyl Chloride	ND		ug/kg	1.7	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	95.8		%	56-124	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
4-Bromofluorobenzene (S)	100		%	51-128	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Dibromofluoromethane (S)	86.7		%	62-123	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
Toluene-d8 (S)	97.1		%	59-131	8260/5035	8/2/11	DJB	8/8/11 22:20	DJB	A2
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Acenaphthylene	ND		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105009** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B6[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Anthracene	129		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Benzo(a)anthracene	587		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Benzo(a)pyrene	581		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Benzo(b)fluoranthene	685		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Benzo(g,h,i)perylene	219		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Benzo(k)fluoranthene	608		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
4-Bromophenyl-phenylether	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Butylbenzylphthalate	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Carbazole	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
4-Chloroaniline	ND		ug/kg	283	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
bis(2-Chloroethoxy)methane	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
bis(2-Chloroethyl)ether	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
bis(2-Chloroisopropyl)ether	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
2-Chloronaphthalene	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
4-Chlorophenyl-phenylether	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Chrysene	599		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Di-n-Butylphthalate	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Di-n-Octylphthalate	ND		ug/kg	283	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Dibenzo(a,h)anthracene	73.2		ug/kg	62.9	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Dibenzofuran	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
1,2-Dichlorobenzene	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
1,3-Dichlorobenzene	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
1,4-Dichlorobenzene	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
3,3-Dichlorobenzidine	ND		ug/kg	566	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Diethylphthalate	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Dimethylphthalate	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
2,4-Dinitrotoluene	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
2,6-Dinitrotoluene	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
bis(2-Ethylhexyl)phthalate	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Fluoranthene	671		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Fluorene	ND		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Hexachlorobenzene	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Hexachlorobutadiene	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Hexachlorocyclopentadiene	ND		ug/kg	283	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Hexachloroethane	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Indeno(1,2,3-cd)pyrene	195		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Isophorone	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
2-Methylnaphthalene	ND		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Naphthalene	ND		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
2-Nitroaniline	ND		ug/kg	283	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
3-Nitroaniline	ND		ug/kg	283	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105009** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B6[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/kg	283	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Nitrobenzene	ND		ug/kg	126	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
N-Nitroso-di-n-propylamine	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
N-Nitrosodiphenylamine	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Phenanthrene	657		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Pyrene	1180		ug/kg	52.4	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
1,2,4-Trichlorobenzene	ND		ug/kg	105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	64.6		%	37-123	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
2-Fluorobiphenyl (S)	84.7		%	45-105	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
2-Fluorophenol (S)	66.3		%	35-104	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Nitrobenzene-d5 (S)	68.3		%	41-110	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Phenol-d5 (S)	63.3		%	40-100	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
Terphenyl-d14 (S)	87.6		%	38-113	SW846 8270D	8/3/11	GMG	8/5/11 01:58	DHF	A4
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:21	KJH	A2
Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:21	KJH	A2
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:21	KJH	A2
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:21	KJH	A2
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:21	KJH	A2
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:21	KJH	A2
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:21	KJH	A2
Aroclor-1260	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:21	KJH	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	72.9		%	46-120	SW846 8082A	8/3/11	CJG	8/5/11 07:21	KJH	A2
Tetrachloro-m-xylene (S)	80.3		%	52-115	SW846 8082A	8/3/11	CJG	8/5/11 07:21	KJH	A2
PESTICIDES										
Aldrin	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
alpha-BHC	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
beta-BHC	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
delta-BHC	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
gamma-BHC	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
alpha-Chlordane	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
gamma-Chlordane	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
4,4'-DDD	ND		ug/kg	17.4	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
4,4'-DDE	ND		ug/kg	17.4	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
4,4'-DDT	73.2		ug/kg	17.4	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105009** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B6[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Dieldrin	ND		ug/kg	17.4	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
Endosulfan I	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
Endosulfan II	ND		ug/kg	17.4	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
Endosulfan Sulfate	ND		ug/kg	17.4	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
Endrin	ND		ug/kg	17.4	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
Endrin Aldehyde	ND		ug/kg	17.4	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
Endrin Ketone	ND		ug/kg	17.4	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
Heptachlor	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
Heptachlor Epoxide	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
Methoxychlor	ND		ug/kg	17.4	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
Mirex	ND		ug/kg	17.4	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
Toxaphene	ND		ug/kg	369	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	56.5		%	30-117	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
Tetrachloro-m-xylene (S)	51.4		%	30-89	SW846 8081B	8/3/11	CJG	8/9/11 02:34	KJH	A1
WET CHEMISTRY										
Moisture	5.2		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
Total Solids	94.8		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
METALS										
Aluminum, Total	5900		mg/kg	9.8	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Antimony, Total	ND		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Arsenic, Total	4.0		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Barium, Total	196		mg/kg	0.98	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Beryllium, Total	ND		mg/kg	0.98	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Cadmium, Total	ND		mg/kg	0.49	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Calcium, Total	5890	3	mg/kg	9.8	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Chromium, Total	20.1		mg/kg	0.98	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Cobalt, Total	10.6		mg/kg	0.98	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Copper, Total	24.4		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Iron, Total	15000		mg/kg	9.8	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Lead, Total	119		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Magnesium, Total	6280		mg/kg	9.8	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Manganese, Total	447		mg/kg	0.98	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Mercury, Total	ND		mg/kg	0.20	SW846 7471B	8/5/11	MNP	8/5/11 14:02	MNP	A5
Nickel, Total	91.5		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Potassium, Total	1280		mg/kg	48.8	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Selenium, Total	ND		mg/kg	4.9	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Silver, Total	ND		mg/kg	0.49	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105009** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B6[0-2]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Sodium, Total	77.2		mg/kg	48.8	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Thallium, Total	ND		mg/kg	2.9	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Vanadium, Total	45.0		mg/kg	0.98	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3
Zinc, Total	154		mg/kg	2.0	SW846 6010C	8/3/11	KMK	8/5/11 02:08	SRT	A3

Sample Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%. The sample was reanalyzed with similar results indicating a sample matrix interference.

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105010** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B6[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/kg	7.8	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Benzene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
2-Butanone	ND		ug/kg	7.8	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
n-Butylbenzene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
tert-Butylbenzene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
sec-Butylbenzene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Carbon Tetrachloride	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Chlorobenzene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Chloroform	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
1,2-Dichlorobenzene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
1,3-Dichlorobenzene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
1,4-Dichlorobenzene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
1,1-Dichloroethane	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
1,2-Dichloroethane	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
1,1-Dichloroethene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
cis-1,2-Dichloroethene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
trans-1,2-Dichloroethene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
1,4-Dioxane	ND		ug/kg	58.7	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Ethylbenzene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Methyl t-Butyl Ether	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Methylene Chloride	27.3	1,2	ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
n-Propylbenzene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Tetrachloroethene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Toluene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Total Xylenes	ND		ug/kg	4.7	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
1,1,1-Trichloroethane	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Trichloroethene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Vinyl Chloride	ND		ug/kg	1.6	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	104		%	56-124	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
4-Bromofluorobenzene (S)	92.5		%	51-128	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Dibromofluoromethane (S)	99.6		%	62-123	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
Toluene-d8 (S)	92.4		%	59-131	8260/5035	8/2/11	DJB	8/8/11 22:50	DJB	A2
SEMIVOLATILES										
Acenaphthene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Acenaphthylene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105010** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B6[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Anthracene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Benzo(a)anthracene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Benzo(a)pyrene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Benzo(b)fluoranthene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Benzo(g,h,i)perylene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Benzo(k)fluoranthene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
4-Bromophenyl-phenylether	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Butylbenzylphthalate	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Carbazole	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
4-Chloroaniline	ND		ug/kg	288	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
bis(2-Chloroethoxy)methane	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
bis(2-Chloroethyl)ether	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
bis(2-Chloroisopropyl)ether	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
2-Chloronaphthalene	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
4-Chlorophenyl-phenylether	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Chrysene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Di-n-Butylphthalate	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Di-n-Octylphthalate	ND		ug/kg	288	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Dibenzo(a,h)anthracene	ND		ug/kg	64.0	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Dibenzofuran	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
1,2-Dichlorobenzene	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
1,3-Dichlorobenzene	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
1,4-Dichlorobenzene	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
3,3-Dichlorobenzidine	ND		ug/kg	576	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Diethylphthalate	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Dimethylphthalate	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
2,4-Dinitrotoluene	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
2,6-Dinitrotoluene	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
bis(2-Ethylhexyl)phthalate	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Fluoranthene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Fluorene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Hexachlorobenzene	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Hexachlorobutadiene	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Hexachlorocyclopentadiene	ND		ug/kg	288	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Hexachloroethane	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Indeno(1,2,3-cd)pyrene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Isophorone	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
2-Methylnaphthalene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Naphthalene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
2-Nitroaniline	ND		ug/kg	288	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
3-Nitroaniline	ND		ug/kg	288	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105010** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B6[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/kg	288	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Nitrobenzene	ND		ug/kg	128	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
N-Nitroso-di-n-propylamine	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
N-Nitrosodiphenylamine	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Phenanthrene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Pyrene	ND		ug/kg	53.3	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
1,2,4-Trichlorobenzene	ND		ug/kg	107	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	59.6		%	37-123	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
2-Fluorobiphenyl (S)	79.3		%	45-105	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
2-Fluorophenol (S)	66.9		%	35-104	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Nitrobenzene-d5 (S)	67.8		%	41-110	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Phenol-d5 (S)	63		%	40-100	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
Terphenyl-d14 (S)	92.7		%	38-113	SW846 8270D	8/4/11	GMG	8/5/11 02:30	DHF	A4
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:36	KJH	A2
Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:36	KJH	A2
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:36	KJH	A2
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:36	KJH	A2
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:36	KJH	A2
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:36	KJH	A2
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:36	KJH	A2
Aroclor-1260	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 07:36	KJH	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	87.1		%	46-120	SW846 8082A	8/3/11	CJG	8/5/11 07:36	KJH	A2
Tetrachloro-m-xylene (S)	113		%	52-115	SW846 8082A	8/3/11	CJG	8/5/11 07:36	KJH	A2
PESTICIDES										
Aldrin	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
alpha-BHC	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
beta-BHC	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
delta-BHC	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
gamma-BHC	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
alpha-Chlordane	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
gamma-Chlordane	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
4,4'-DDD	ND		ug/kg	17.6	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
4,4'-DDE	ND		ug/kg	17.6	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
4,4'-DDT	ND		ug/kg	17.6	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105010** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B6[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Dieldrin	ND		ug/kg	17.6	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
Endosulfan I	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
Endosulfan II	ND		ug/kg	17.6	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
Endosulfan Sulfate	ND		ug/kg	17.6	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
Endrin	ND		ug/kg	17.6	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
Endrin Aldehyde	ND		ug/kg	17.6	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
Endrin Ketone	ND		ug/kg	17.6	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
Heptachlor	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
Heptachlor Epoxide	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
Methoxychlor	ND		ug/kg	17.6	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
Mirex	ND		ug/kg	17.6	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
Toxaphene	ND		ug/kg	374	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	68.8		%	30-117	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
Tetrachloro-m-xylene (S)	63.8		%	30-89	SW846 8081B	8/3/11	CJG	8/9/11 05:04	KJH	A1
WET CHEMISTRY										
Moisture	6.5		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
Total Solids	93.5		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
METALS										
Aluminum, Total	3580		mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Antimony, Total	ND		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Arsenic, Total	ND		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Barium, Total	47.9		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Beryllium, Total	ND		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Cadmium, Total	ND		mg/kg	0.45	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Calcium, Total	2700	3	mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Chromium, Total	17.0		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Cobalt, Total	4.2		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Copper, Total	14.2		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Iron, Total	5930		mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Lead, Total	40.6		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Magnesium, Total	1430		mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Manganese, Total	94.8		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Mercury, Total	ND		mg/kg	0.19	SW846 7471B	8/5/11	MNP	8/5/11 14:03	MNP	A5
Nickel, Total	8.3		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Potassium, Total	435		mg/kg	45.3	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Selenium, Total	ND		mg/kg	4.5	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Silver, Total	ND		mg/kg	0.45	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105010** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B6[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Sodium, Total	98.7		mg/kg	45.3	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Thallium, Total	ND		mg/kg	2.7	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Vanadium, Total	11.4		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3
Zinc, Total	52.3		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:12	SRT	A3

Sample Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%.

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105011** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B7[1-3]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	72.5		ug/kg	10.4	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Benzene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
2-Butanone	ND		ug/kg	10.4	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
n-Butylbenzene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
tert-Butylbenzene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
sec-Butylbenzene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Carbon Tetrachloride	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Chlorobenzene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Chloroform	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
1,2-Dichlorobenzene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
1,3-Dichlorobenzene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
1,4-Dichlorobenzene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
1,1-Dichloroethane	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
1,2-Dichloroethane	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
1,1-Dichloroethene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
cis-1,2-Dichloroethene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
trans-1,2-Dichloroethene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
1,4-Dioxane	ND		ug/kg	78.2	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Ethylbenzene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Methyl t-Butyl Ether	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Methylene Chloride	18.7	1,2	ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
n-Propylbenzene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Tetrachloroethene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Toluene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Total Xylenes	ND		ug/kg	6.3	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
1,1,1-Trichloroethane	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Trichloroethene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Vinyl Chloride	ND		ug/kg	2.1	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	97.8		%	56-124	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
4-Bromofluorobenzene (S)	88.3		%	51-128	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Dibromofluoromethane (S)	92.1		%	62-123	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
Toluene-d8 (S)	88.2		%	59-131	8260/5035	8/2/11	DJB	8/8/11 23:20	DJB	A2
SEMIVOLATILES										
Acenaphthene	244		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Acenaphthylene	102		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105011** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B7[1-3]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Anthracene	625		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Benzo(a)anthracene	1250		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Benzo(a)pyrene	1140		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Benzo(b)fluoranthene	1230		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Benzo(g,h,i)perylene	306		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Benzo(k)fluoranthene	1110		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
4-Bromophenyl-phenylether	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Butylbenzylphthalate	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Carbazole	174		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
4-Chloroaniline	ND		ug/kg	291	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
bis(2-Chloroethoxy)methane	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
bis(2-Chloroethyl)ether	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
bis(2-Chloroisopropyl)ether	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
2-Chloronaphthalene	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
4-Chlorophenyl-phenylether	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Chrysene	1300		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Di-n-Butylphthalate	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Di-n-Octylphthalate	ND		ug/kg	291	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Dibenzo(a,h)anthracene	ND		ug/kg	64.8	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Dibenzofuran	204		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
1,2-Dichlorobenzene	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
1,3-Dichlorobenzene	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
1,4-Dichlorobenzene	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
3,3-Dichlorobenzidine	ND		ug/kg	583	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Diethylphthalate	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Dimethylphthalate	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
2,4-Dinitrotoluene	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
2,6-Dinitrotoluene	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
bis(2-Ethylhexyl)phthalate	238		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Fluoranthene	1840		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Fluorene	337		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Hexachlorobenzene	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Hexachlorobutadiene	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Hexachlorocyclopentadiene	ND		ug/kg	291	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Hexachloroethane	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Indeno(1,2,3-cd)pyrene	287		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Isophorone	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
2-Methylnaphthalene	162		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Naphthalene	321		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
2-Nitroaniline	ND		ug/kg	291	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
3-Nitroaniline	ND		ug/kg	291	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105011** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B7[1-3]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/kg	291	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Nitrobenzene	ND		ug/kg	130	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
N-Nitroso-di-n-propylamine	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
N-Nitrosodiphenylamine	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Phenanthrene	3170		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Pyrene	3780		ug/kg	54.0	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
1,2,4-Trichlorobenzene	ND		ug/kg	108	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	12.5	20	%	37-123	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
2-Fluorobiphenyl (S)	77.8		%	45-105	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
2-Fluorophenol (S)	27.6	19	%	35-104	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Nitrobenzene-d5 (S)	59.7		%	41-110	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Phenol-d5 (S)	48.4		%	40-100	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
Terphenyl-d14 (S)	90.1		%	38-113	SW846 8270D	8/4/11	GMG	8/5/11 03:36	DHF	A4
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:06	KJH	A2
Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:06	KJH	A2
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:06	KJH	A2
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:06	KJH	A2
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:06	KJH	A2
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:06	KJH	A2
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:06	KJH	A2
Aroclor-1260	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:06	KJH	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	94.6		%	46-120	SW846 8082A	8/3/11	CJG	8/5/11 08:06	KJH	A2
Tetrachloro-m-xylene (S)	101		%	52-115	SW846 8082A	8/3/11	CJG	8/5/11 08:06	KJH	A2
PESTICIDES										
Aldrin	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
alpha-BHC	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
beta-BHC	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
delta-BHC	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
gamma-BHC	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
alpha-Chlordane	41.4		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
gamma-Chlordane	38.7		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
4,4'-DDD	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
4,4'-DDE	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
4,4'-DDT	28.9		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105011** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B7[1-3]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Dieldrin	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
Endosulfan I	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
Endosulfan II	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
Endosulfan Sulfate	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
Endrin	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
Endrin Aldehyde	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
Endrin Ketone	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
Heptachlor	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
Heptachlor Epoxide	ND		ug/kg	9.1	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
Methoxychlor	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
Mirex	ND		ug/kg	17.7	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
Toxaphene	ND		ug/kg	375	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	66		%	30-117	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
Tetrachloro-m-xylene (S)	54.1		%	30-89	SW846 8081B	8/3/11	CJG	8/9/11 01:34	KJH	A1
WET CHEMISTRY										
Moisture	7.4		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
Total Solids	92.6		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
METALS										
Aluminum, Total	6640		mg/kg	9.6	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Antimony, Total	2.2		mg/kg	1.9	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Arsenic, Total	16.7		mg/kg	1.9	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Barium, Total	117		mg/kg	0.96	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Beryllium, Total	ND		mg/kg	0.96	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Cadmium, Total	ND		mg/kg	0.48	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Calcium, Total	56700	3	mg/kg	9.6	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Chromium, Total	53.5		mg/kg	0.96	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Cobalt, Total	4.9		mg/kg	0.96	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Copper, Total	24.5		mg/kg	1.9	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Iron, Total	11500		mg/kg	9.6	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Lead, Total	151		mg/kg	1.9	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Magnesium, Total	4450		mg/kg	9.6	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Manganese, Total	228		mg/kg	0.96	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Mercury, Total	0.38		mg/kg	0.22	SW846 7471B	8/5/11	MNP	8/5/11 14:04	MNP	A5
Nickel, Total	25.3		mg/kg	1.9	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Potassium, Total	724		mg/kg	48.2	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Selenium, Total	ND		mg/kg	4.8	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Silver, Total	ND		mg/kg	0.48	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105011** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B7[1-3]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Sodium, Total	157		mg/kg	48.2	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Thallium, Total	ND		mg/kg	2.9	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Vanadium, Total	24.8		mg/kg	0.96	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3
Zinc, Total	164		mg/kg	1.9	SW846 6010C	8/3/11	KMK	8/5/11 02:16	SRT	A3

Sample Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%.

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105012** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B7[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	33.1		ug/kg	7.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Benzene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
2-Butanone	ND		ug/kg	7.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
n-Butylbenzene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
tert-Butylbenzene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
sec-Butylbenzene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Carbon Tetrachloride	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Chlorobenzene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Chloroform	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
1,2-Dichlorobenzene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
1,3-Dichlorobenzene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
1,4-Dichlorobenzene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
1,1-Dichloroethane	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
1,2-Dichloroethane	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
1,1-Dichloroethene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
cis-1,2-Dichloroethene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
trans-1,2-Dichloroethene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
1,4-Dioxane	ND		ug/kg	56.2	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Ethylbenzene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Methyl t-Butyl Ether	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Methylene Chloride	19.9	1,2	ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
n-Propylbenzene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Tetrachloroethene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Toluene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Total Xylenes	ND		ug/kg	4.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
1,1,1-Trichloroethane	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Trichloroethene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Vinyl Chloride	ND		ug/kg	1.5	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	88.2		%	56-124	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
4-Bromofluorobenzene (S)	90.1		%	51-128	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Dibromofluoromethane (S)	92.1		%	62-123	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
Toluene-d8 (S)	91.2		%	59-131	8260/5035	8/2/11	DJB	8/9/11 00:28	DJB	A2
SEMIVOLATILES										
Acenaphthene	904		ug/kg	51.9	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Acenaphthylene	ND		ug/kg	51.9	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105012** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B7[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Anthracene	3180		ug/kg	51.9	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Benzo(a)anthracene	6110		ug/kg	519	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
Benzo(a)pyrene	4780		ug/kg	519	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
Benzo(b)fluoranthene	4310		ug/kg	519	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
Benzo(g,h,i)perylene	1200		ug/kg	51.9	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Benzo(k)fluoranthene	4630		ug/kg	519	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
4-Bromophenyl-phenylether	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Butylbenzylphthalate	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Carbazole	741		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
4-Chloroaniline	ND		ug/kg	280	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
bis(2-Chloroethoxy)methane	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
bis(2-Chloroethyl)ether	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
bis(2-Chloroisopropyl)ether	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
2-Chloronaphthalene	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
4-Chlorophenyl-phenylether	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Chrysene	5770		ug/kg	519	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
Di-n-Butylphthalate	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Di-n-Octylphthalate	ND		ug/kg	280	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Dibenzo(a,h)anthracene	607		ug/kg	62.3	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Dibenzofuran	695		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
1,2-Dichlorobenzene	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
1,3-Dichlorobenzene	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
1,4-Dichlorobenzene	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
3,3-Dichlorobenzidine	ND		ug/kg	560	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Diethylphthalate	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Dimethylphthalate	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
2,4-Dinitrotoluene	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
2,6-Dinitrotoluene	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
bis(2-Ethylhexyl)phthalate	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Fluoranthene	13100		ug/kg	519	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
Fluorene	1210		ug/kg	51.9	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Hexachlorobenzene	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Hexachlorobutadiene	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Hexachlorocyclopentadiene	ND		ug/kg	280	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Hexachloroethane	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Indeno(1,2,3-cd)pyrene	1320		ug/kg	51.9	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Isophorone	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
2-Methylnaphthalene	109		ug/kg	51.9	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Naphthalene	91.5		ug/kg	51.9	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
2-Nitroaniline	ND		ug/kg	280	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
3-Nitroaniline	ND		ug/kg	280	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105012** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B7[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
4-Nitroaniline	ND		ug/kg	280	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Nitrobenzene	ND		ug/kg	125	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
N-Nitroso-di-n-propylamine	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
N-Nitrosodiphenylamine	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Phenanthrene	12700		ug/kg	519	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
Pyrene	11900		ug/kg	519	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
1,2,4-Trichlorobenzene	ND		ug/kg	104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	65.7		%	37-123	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
2-Fluorobiphenyl (S)	76.3		%	45-105	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
2-Fluorophenol (S)	48.3		%	35-104	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Nitrobenzene-d5 (S)	52.2		%	41-110	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Phenol-d5 (S)	48.9		%	40-100	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
Terphenyl-d14 (S)	79.6		%	38-113	SW846 8270D	8/4/11	GMG	8/5/11 04:09	DHF	A4
2,4,6-Tribromophenol (S)	78.9		%	37-123	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
2-Fluorobiphenyl (S)	69.4		%	45-105	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
2-Fluorophenol (S)	72.9		%	35-104	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
Nitrobenzene-d5 (S)	60.8		%	41-110	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
Phenol-d5 (S)	70.2		%	40-100	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
Terphenyl-d14 (S)	91.5		%	38-113	SW846 8270D	8/4/11	GMG	8/10/11 01:43	CGS	A4
PCBs										
Total Polychlorinated Biphenyl	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:21	KJH	A2
Aroclor-1016	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:21	KJH	A2
Aroclor-1221	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:21	KJH	A2
Aroclor-1232	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:21	KJH	A2
Aroclor-1242	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:21	KJH	A2
Aroclor-1248	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:21	KJH	A2
Aroclor-1254	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:21	KJH	A2
Aroclor-1260	ND		mg/kg	0.035	SW846 8082A	8/3/11	CJG	8/5/11 08:21	KJH	A2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	56.5		%	46-120	SW846 8082A	8/3/11	CJG	8/5/11 08:21	KJH	A2
Tetrachloro-m-xylene (S)	59.9		%	52-115	SW846 8082A	8/3/11	CJG	8/5/11 08:21	KJH	A2
PESTICIDES										
Aldrin	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
alpha-BHC	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
beta-BHC	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
delta-BHC	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105012** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B7[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
gamma-BHC	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
alpha-Chlordane	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
gamma-Chlordane	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
4,4'-DDD	ND		ug/kg	17.5	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
4,4'-DDE	ND		ug/kg	17.5	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
4,4'-DDT	ND		ug/kg	17.5	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Dieldrin	ND		ug/kg	17.5	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Endosulfan I	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Endosulfan II	ND		ug/kg	17.5	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Endosulfan Sulfate	ND		ug/kg	17.5	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Endrin	ND		ug/kg	17.5	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Endrin Aldehyde	17.8		ug/kg	17.5	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Endrin Ketone	ND		ug/kg	17.5	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Heptachlor	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Heptachlor Epoxide	ND		ug/kg	9.0	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Methoxychlor	ND		ug/kg	17.5	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Mirex	ND		ug/kg	17.5	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Toxaphene	ND		ug/kg	370	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	74.5		%	30-117	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
Tetrachloro-m-xylene (S)	68		%	30-89	SW846 8081B	8/3/11	CJG	8/9/11 00:34	KJH	A1
WET CHEMISTRY										
Moisture	6.7		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
Total Solids	93.3		%	0.1	SM20-2540 G			8/3/11 21:30	RMO	A
METALS										
Aluminum, Total	3700		mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Antimony, Total	ND		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Arsenic, Total	ND		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Barium, Total	22.7		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Beryllium, Total	ND		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Cadmium, Total	ND		mg/kg	0.45	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Calcium, Total	3930	3	mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Chromium, Total	15.7		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Cobalt, Total	3.2		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Copper, Total	11.7		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Iron, Total	5550		mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Lead, Total	7.2		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Magnesium, Total	1140		mg/kg	9.1	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3

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ANALYTICAL RESULTS

Workorder: 9919105 2211 3rd Avenue, Harlem

Lab ID: **9919105012** Date Collected: 8/1/2011 00:00 Matrix: Solid

Sample ID: **B7[13-15]** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Manganese, Total	133		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Mercury, Total	ND		mg/kg	0.21	SW846 7471B	8/5/11	MNP	8/5/11 14:05	MNP	A5
Nickel, Total	8.2		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Potassium, Total	404		mg/kg	45.4	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Selenium, Total	ND		mg/kg	4.5	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Silver, Total	ND		mg/kg	0.45	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Sodium, Total	69.2		mg/kg	45.4	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Thallium, Total	ND		mg/kg	2.7	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Vanadium, Total	10.7		mg/kg	0.91	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3
Zinc, Total	15.0		mg/kg	1.8	SW846 6010C	8/3/11	KMK	8/5/11 02:20	SRT	A3

Sample Comments:

One or more of the GCMS semi-volatile internal standards were recovered at <50%.

This sample was analyzed at a dilution in the 8081 Pesticide analysis due to sample matrix interference. Reporting limits were adjusted accordingly.

Anna G Milliken
Technical Manager

ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9919105 2211 3rd Avenue, Harlem

PARAMETER QUALIFIERS\FLAGS

[1] The Method Blank for method 8260/5035 reported a value greater than the reporting level for the analyte Methylene Chloride.

[2] The QC sample type LCSD for method 8260/5035 was outside the control limits for the analyte Methylene Chloride. The % Recovery was reported as 142 and the control limits were 68 to 133.

[3] The method blank associated with this sample was positive for calcium at 0.2295 mg/l. The calcium analyte concentration in the sample was greater than ten times the concentration of the blank. According to the method, the sample was commented and reported. SRT 08.05.11

[4] The QC sample type LCS for method 8260/5035 was outside the control limits for the analyte Benzene. The % Recovery was reported as 71.8 and the control limits were 75 to 132.

[5] The QC sample type LCS for method 8260/5035 was outside the control limits for the analyte Chlorobenzene. The % Recovery was reported as 74.2 and the control limits were 76 to 125.

[6] The QC sample type LCSD for method 8260/5035 was outside the control limits for the analyte Chlorobenzene. The % Recovery was reported as 75.7 and the control limits were 76 to 125.

[7] The QC sample type LCS for method 8260/5035 was outside the control limits for the analyte Ethylbenzene. The % Recovery was reported as 69.5 and the control limits were 73 to 133.

[8] The QC sample type LCSD for method 8260/5035 was outside the control limits for the analyte Ethylbenzene. The % Recovery was reported as 72 and the control limits were 73 to 133.

[9] The QC sample type LCS for method 8260/5035 was outside the control limits for the analyte Toluene. The % Recovery was reported as 69.6 and the control limits were 73 to 129.

[10] The QC sample type LCSD for method 8260/5035 was outside the control limits for the analyte Toluene. The % Recovery was reported as 70.6 and the control limits were 73 to 129.

[11] The QC sample type LCS for method 8260/5035 was outside the control limits for the analyte Trichloroethene. The % Recovery was reported as 71.2 and the control limits were 72 to 129.

[12] The surrogate Terphenyl-d14 for method SW846 8270D was outside of control limits. The % Recovery was reported as 122 and the control limits were 38 to 113. This result was reported at a dilution of 1.

[13] The detection of this compound was confirmed on an alternate column. Precision between the two results exceeded in house control limits (<40%RPD).

[14] The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. The sample was post-digestion spiked, and this matrix spike was within acceptable recovery limits.

[15] One of the two matrix spike analyses performed on this sample failed to meet acceptable recovery limits. The other matrix spike was within acceptable recovery limits. Matrix interferences are the possible cause for the failure.

[16] The surrogate 2-Fluorophenol for method SW846 8270D was outside of control limits. The % Recovery was reported as 29.5 and the control limits were 35 to 104. This result was reported at a dilution of 1.

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ANALYTICAL RESULTS QUALIFIERS\FLAGS

Workorder: 9919105 2211 3rd Avenue, Harlem

PARAMETER QUALIFIERS\FLAGS

[17] The surrogate 2,4,6-Tribromophenol for method SW846 8270D was outside of control limits. The % Recovery was reported as 7.34 and the control limits were 37 to 123. This result was reported at a dilution of 1.

[18] The QC sample type MS for method 8260/5035 was outside the control limits for the analyte Acetone. The % Recovery was reported as 52.4 and the control limits were 58 to 146.

[19] The surrogate 2-Fluorophenol for method SW846 8270D was outside of control limits. The % Recovery was reported as 27.6 and the control limits were 35 to 104. This result was reported at a dilution of 1.

[20] The surrogate 2,4,6-Tribromophenol for method SW846 8270D was outside of control limits. The % Recovery was reported as 12.5 and the control limits were 37 to 123. This result was reported at a dilution of 1.

TH

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Phone: 631-504-6000
Address: 1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961

Bill to (if different than Report to):
PO#:

Project Name/#: 2211 3RD AVENUE, HARLEM
ALS Quote #:

TAT: [ ] Normal-Standard TAT is 10 business days. [X] Rush-Subject to ALS approval and surcharges.
Date Required: 8/9/11
Approved By:

Email? [X] Y csosik@ebcincny.com
Fax? [ ] Y No.:

	***Container Type	CG	CG	CG	CG
	***Container Size	8oz	8oz	8oz	8oz
	*** Preservative	ICE	ICE	ICE	ICE
	*G or C	C			
	**Matrix	So			
	ANALYSES/METHOD REQUESTED	VOCs 8260	SVOCs 8270	TAL METALS	PESTICIDES/PCB's
	Enter Number of Containers Per Analysis	1X	1X	X	X

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time
1	B2(0-2)		8/11	
2	B2(13-15)			
3	B3(0-2)			
4	B3(10-13)			
5	B4(0-2)			
6	B4(13-15)			
7	B5(0-2)			
8	B5(11-13)			

(completed by Sample Receiver)
Performed In: INITIAL HERE
Cooler Temp: 2°C
Therm. ID: LNM3AM
No. of Coolers:
Notes:

	Correct containers?	Correct sample volume?	Correct preservation?	Headspace/Volatiles?	Circle appropriate Y or N.
	Y	Y	Y	Y	
	N	N	N	N	N

	Custody seals Present?	(if present) Seals intact?	Received on ice?	COC/Labels complete/accurate?	Container in good condition?
	N	N	N	N	N
	Y	Y	Y	Y	Y

SAMPLED BY (Please Print): KEVIN BRUSSEE
LOGGED BY (signature): DATE 8/2/11 TIME 2041
REVIEWED BY (signature): DATE TIME

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1	8/2/11	1140	2	8/2	1140
3	8/2	1800	4	8/2	1800
5	8/2/11	1931	6	8/2/11	1931
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] new
EDDs Required? [ ] If yes, format type:
DOD Criteria Required?

SDWA Forms? → yes [ ] yes [ ] yes [ ] yes [ ]
State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ] Other

ALS FIELD SERVICES: [X] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite
**Matrix: Al=Air; DW=Drinking Water; GW=Groundwater; Ol=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater
Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY
***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.
Rev 6/2011

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Ship to: 34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/ SAMPLER. INSTRUCTIONS ON THE BACK.

Page 2 of 2

Courier:

Tracking #: 9919105#

Co. Name: ENVIRONMENTAL BUSINESS CONSULTANTS

Contact (Report to):

Phone: 631.504.6000

Address: 1808 MIDDLE COUNTRY RD
RIDGE, NY 11961

Bill to (if different than Report to):

PO#:

Project Name/#: 2211 3RD AVENUE, HARLEM

ALS Quote #:

TAT: [ ] Normal-Standard TAT is 10 business days. [X] Rush-Subject to ALS approval and surcharges.

Date Required: 8/9/11

Approved By:

Email? [X] -Y CSOSIK@ebcincny.com

Fax? [ ] -Y No.:

	Sample Description/Location (as it will appear on the lab report)	COC Comments	Sample Date	Military Time	*G or C	**Matrix	VOCs 8260	SVOCs 8270	TAL METALS	PESTICIDES/PCB.						
							Enter Number of Containers Per Analysis									
	***Container Type				CG	CG	CG	CG								
	***Container Size				2oz	8oz	8oz	8oz								
	*** Preservative				ICE	ICE	ICE	ICE								
1	B6(0-2)		8/1		C	So	1X	1X	X	X						
2	B6(13-15)		↓		↓	↓	↓	↓	↓	↓						
3	B7(1-3)		↓		↓	↓	↓	↓	↓	↓						
4	B7(13-15)		↓		↓	↓	↓	↓	↓	↓						
5	~~B1(0-2)~~	~~rec'd but not on COC 8/2/11~~					~~1~~	~~1~~	~~✓~~	~~✓~~						
6	~~B1(13-15)~~						~~1~~	~~1~~	~~✓~~	~~✓~~						
7																
8		TOO = 10min														

Do not analyze per attached. TMH 8/10/11

Receipt Information (completed by Sample Receiver)	
Performed by:	Signature:
Cooler Temp:	
Therm. ID:	01392
No. of Coolers:	
Notes:	

	Y or N.
Correct containers?	N
Correct sample volume?	N
Correct preservation?	N
Headspace/Volatiles?	Y
Custody seals Present?	Y
(if present) Seals intact?	Y
Received on ice?	✓
COC/Labels complete/accurate?	✓
Container in good condition?	Y

SAMPLED BY (Please Print): KEVIN BRUSSEE

LOGGED BY (signature): DATE 8/2/11 TIME

REVIEWED BY (signature): DATE TIME

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
1 [illegible] / EBC	8/2/11	1140	2 [illegible] / TALS	8/2	1140
3 [illegible]	8/2	1800	4 [illegible]	8/2	1800
5 [illegible]	8/2	1931	6 [illegible]	8/2/11	1931
7			8		
9			10		

Data Deliverables: [ ] Standard [ ] CLP-like [ ] NJ-Reduced [ ] NJ-Full [ ] (specify)

EDDs Required? [ ] If yes, format type:

DOD Criteria Required?

SDWA Forms? ⇒ yes [ ] yes [ ] yes [ ] yes [ ]

State Samples Collected In? MD [ ] NJ [ ] NY [ ] PA [ ] Other

ALS FIELD SERVICES: [✓] Pickup [ ] Labor [ ] Composite Sampling [ ] Rental Equipment [ ] Other:

* G=Grab; C=Composite **Matrix: Al=Air; DW=Drinking Water; GW=Groundwater; Ol=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater

Copies: WHITE - ORIGINAL CANARY - CUSTOMER COPY ***Container Type: AG-Amber Glass; CG-Clear Glass, PL-Plastic. Container Size: 250ml, 500ml, 1L, 8oz., etc. Preservative: HCl, HNO3, NaOH, etc.

Rev 6/2011

Tonya Hironimus

From: Kevin Brussee [Kbrussee@ebcincny.com]
Sent: Wednesday, August 03, 2011 4:56 PM
To: Tonya Hironimus
Subject: RE: 2211 3rd Avenue, Harlem

Correct, do not analyze the water Tank 1 sample or the soil B1(0-2) or B1(13-15).

Kevin Brussee
EBC

From: Tonya Hironimus [mailto:Tonya.Hironimus@ALSGlobal.com]
Sent: Wednesday, August 03, 2011 4:54 PM
To: Kevin Brussee
Cc: Marty Rowan; Scott Brunk; 'Charles Sosik'
Subject: RE: 2211 3rd Avenue, Harlem

Kevin,
Just to confirm, per the information we received from Marty, we will not be analyzing the water "Tank 1" sample or the soil "B1 (0-2)" or B1 (13-15)" samples. If this is not correct, please let me know.

Thanks,
Tonya Hironimus

From: Kevin Brussee [mailto:Kbrussee@ebcincny.com]
Sent: Wednesday, August 03, 2011 1:34 PM
To: Tonya Hironimus
Cc: Marty Rowan; Scott Brunk; 'Charles Sosik'
Subject: RE: 2211 3rd Avenue, Harlem

Charles,

I have various questions regarding the attached COC versus the bottles we received which I was hoping you can help me clear up.

1) B1 - only VOCs 8260 and SVOC 8270 CP51 testing is asked for on this sample, though we received the same bottles for B1 as we did for the rest of the samples we received on this COC (including TAL metals and Pest/PCB). What testing do you need for B1?

Only run groundwater sample B1 for VOCs 8260 and SVOCs 8270 CP51.

2) B4, B5, B6 and B7 - one of the tests on the COC for these samples is "TAL Metals Dissolved" and bottle listed is "plastic 250ml ice". We actually received for each of these and B1, 1 preserved HNO3 bottle for metals and 1 unpreserved bottle for metals. Do you need only dissolved metals or do you need dissolved and total metals?

Only run the groundwater samples B4, B5, B6 and B7 for TAL dissolved metals as noted on the COC. However, please retain the HNO3 preserved bottles in case we need to add total metals in the future.

3) B4 - 2 of the tests on the COC for this sample is SVOCs 8270 and Pest/PCBs, though we received 1 full amber liter of sample and 1/2 filled liter of sample. Each of these tests requires 1

full liter of sample in order to get you our lowest detection limits. Which of these tests is more important to get lower detection limits on so we can decide how to appropriately use the sample we received for this testing.

It is highly unlikely that the groundwater sample contains any pesticides or PCBs, therefore those two parameters are the least important. I rarely submit two amber liters for SVOCs and pestides/PCBs unless I believe something will be detected in the sample. Does ALS require two full amber L's? I collected groundwater samples today from a job and only collected one amber L and they will require analysis of both pesticides/PCBs and SVOCs. Please let me know.

We received bottles labeled "Tank 1" (2-HCl vials, 1-1L amber glass unpreserved) though this ID was not listed on the COCs. Please let me know if this needs to be tested and what testing you need performed on this sample.
I can't find the yellow copies of the COCs. Did the courier take them? Can you fax me a copy of each of the COCs?

Kevin Brussee
Environmental Business Consultants
1808 Middle Country Road
Ridge, New York 11961
Phone: 631.504.6000

ALS Group: Click here to report this email as spam.

****
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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

August 10, 2011

Mr. Charles Sosik
Environmental Business Consultants (EBC)
1808 Middle Country Road
Ridge, NY 11961

Certificate of Analysis

Project Name:	**S/GW, NY**	Workorder:	**9919595**
Purchase Order:		Workorder ID:	**2211 3rd Avenue**

Dear Mr. Sosik,

Enclosed are the analytical results for samples received by the laboratory on Tuesday, August 02, 2011.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Tonya Hironimus (Project Coordinator) or Anna G Milliken (Technical Manager) at (717) 944-5541.

Please visit us at www.analyticallab.com for a listing of ALS' NELAP accreditations and Scope of Work, as well as other links to Water Quality documentation on the internet.

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

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Anna G Milliken
Technical Manager

ALS Environmental

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SAMPLE SUMMARY

Workorder: 9919595 2211 3rd Avenue Discard Date: 08/24/2011

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
9919595001	B4	Ground Water	8/1/11 00:00	8/2/11 19:31	Customer
9919595002	B5	Ground Water	8/1/11 00:00	8/2/11 19:31	Customer
9919595003	B6	Ground Water	8/1/11 00:00	8/2/11 19:31	Customer
9919595004	B7	Ground Water	8/1/11 00:00	8/2/11 19:31	Customer
9919595005	B1	Ground Water	8/1/11 00:00	8/2/11 19:31	Customer

Workorder Comments:

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.

Standard Acronyms/Flags

J, B	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595001** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B4** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			8/5/11 04:27	DJB	A
Benzene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
2-Butanone	ND		ug/L	10.0	SW846 8260B			8/5/11 04:27	DJB	A
n-Butylbenzene	ND		ug/L	2.0	SW846 8260B			8/5/11 04:27	DJB	A
tert-Butylbenzene	ND		ug/L	2.0	SW846 8260B			8/5/11 04:27	DJB	A
sec-Butylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
Chloroform	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B			8/5/11 04:27	DJB	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
n-Propylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
Toluene	2.5		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			8/5/11 04:27	DJB	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			8/5/11 04:27	DJB	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	89.4		%	62-133	SW846 8260B			8/5/11 04:27	DJB	A
4-Bromofluorobenzene (S)	79.6		%	79-114	SW846 8260B			8/5/11 04:27	DJB	A
Dibromofluoromethane (S)	86.5		%	78-116	SW846 8260B			8/5/11 04:27	DJB	A
Toluene-d8 (S)	103		%	76-127	SW846 8260B			8/5/11 04:27	DJB	A
SEMIVOLATILES										
Acenaphthene	ND		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595001** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B4** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Acenaphthylene	ND		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Anthracene	ND		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Benzidine	ND		ug/L	35.9	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Benzo(a)anthracene	ND		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Benzo(a)pyrene	ND		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Benzo(b)fluoranthene	ND		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Benzo(g,h,i)perylene	ND		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Benzo(k)fluoranthene	ND		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
4-Bromophenyl-phenylether	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Butylbenzylphthalate	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Carbazole	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
4-Chloroaniline	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
bis(2-Chloroethoxy)methane	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
bis(2-Chloroethyl)ether	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
bis(2-Chloroisopropyl)ether	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
2-Chloronaphthalene	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
4-Chlorophenyl-phenylether	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Chrysene	ND		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Di-n-Butylphthalate	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Di-n-Octylphthalate	ND		ug/L	9.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Dibenzo(a,h)anthracene	ND		ug/L	2.4	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Dibenzofuran	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
1,2-Dichlorobenzene	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
1,3-Dichlorobenzene	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
1,4-Dichlorobenzene	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
3,3-Dichlorobenzidine	ND		ug/L	19.2	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Diethylphthalate	ND		ug/L	9.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Dimethylphthalate	ND		ug/L	9.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
2,4-Dinitrotoluene	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
2,6-Dinitrotoluene	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
1,2-Diphenylhydrazine	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
bis(2-Ethylhexyl)phthalate	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Fluoranthene	2.4		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Fluorene	ND		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Hexachlorobenzene	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Hexachlorobutadiene	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Hexachlorocyclopentadiene	ND		ug/L	9.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Hexachloroethane	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Isophorone	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
2-Methylnaphthalene	ND		ug/L	2.4	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595001** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B4** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Naphthalene	ND		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
2-Nitroaniline	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
3-Nitroaniline	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
4-Nitroaniline	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Nitrobenzene	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
N-Nitrosodimethylamine	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
N-Nitroso-di-n-propylamine	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
N-Nitrosodiphenylamine	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Phenanthrene	ND		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Pyrene	2.3		ug/L	1.8	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
1,2,4-Trichlorobenzene	ND		ug/L	3.6	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	98.7		%	40-125	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
2-Fluorobiphenyl (S)	81.1		%	50-110	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
2-Fluorophenol (S)	54.4		%	20-75	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Nitrobenzene-d5 (S)	78.8		%	40-110	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Phenol-d5 (S)	37.9		%	13-49	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
Terphenyl-d14 (S)	88.9		%	50-122	SW846 8270D	8/5/11	GEC	8/8/11 19:13	SAS	C1
PCBs										
Total Polychlorinated Biphenyl	ND		ug/L	1.4	SW846 8082A	8/15/11	GEC	8/6/11 09:35	KJH	D2
Aroclor-1016	ND		ug/L	1.4	SW846 8082A	8/15/11	GEC	8/6/11 09:35	KJH	D2
Aroclor-1221	ND		ug/L	1.4	SW846 8082A	8/15/11	GEC	8/6/11 09:35	KJH	D2
Aroclor-1232	ND		ug/L	1.4	SW846 8082A	8/15/11	GEC	8/6/11 09:35	KJH	D2
Aroclor-1242	ND		ug/L	1.4	SW846 8082A	8/15/11	GEC	8/6/11 09:35	KJH	D2
Aroclor-1248	ND		ug/L	1.4	SW846 8082A	8/15/11	GEC	8/6/11 09:35	KJH	D2
Aroclor-1254	ND		ug/L	1.4	SW846 8082A	8/15/11	GEC	8/6/11 09:35	KJH	D2
Aroclor-1260	ND		ug/L	1.4	SW846 8082A	8/15/11	GEC	8/6/11 09:35	KJH	D2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	88		%	30-150	SW846 8082A	8/15/11	GEC	8/6/11 09:35	KJH	D2
Tetrachloro-m-xylene (S)	112		%	36-112	SW846 8082A	8/15/11	GEC	8/6/11 09:35	KJH	D2
PESTICIDES										
Aldrin	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
alpha-BHC	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
beta-BHC	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
delta-BHC	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
gamma-BHC	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
alpha-Chlordane	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595001** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B4** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
gamma-Chlordane	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
4,4'-DDD	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
4,4'-DDE	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
4,4'-DDT	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
Dieldrin	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
Endosulfan I	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
Endosulfan II	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
Endosulfan Sulfate	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
Endrin	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
Endrin Aldehyde	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
Endrin Ketone	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
Heptachlor	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
Heptachlor Epoxide	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
Methoxychlor	ND		ug/L	0.068	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
Toxaphene	ND		ug/L	2.7	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	114		%	30-140	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
Tetrachloro-m-xylene (S)	107		%	30-123	SW846 8081B	8/5/11	GEC	8/8/11 20:15	KJH	D1
METALS										
Aluminum, Dissolved	ND		mg/L	0.10	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Antimony, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Barium, Dissolved	0.048		mg/L	0.010	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Beryllium, Dissolved	ND		mg/L	0.0040	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Calcium, Dissolved	59.3		mg/L	0.10	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Cobalt, Dissolved	ND		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Copper, Dissolved	ND		mg/L	0.010	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Iron, Dissolved	ND		mg/L	0.060	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Magnesium, Dissolved	18.7		mg/L	0.10	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Manganese, Dissolved	0.19		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	8/5/11	MNP	8/5/11 11:57	MNP	E1
Nickel, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Potassium, Dissolved	12.8		mg/L	0.50	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Sodium, Dissolved	111		mg/L	0.50	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595001** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B4** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Thallium, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Vanadium, Dissolved	ND		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2
Zinc, Dissolved	0.024		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 12:58	JWK	E2

Sample Comments:

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595002** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B5** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			8/5/11 12:43	TMP	B
Benzene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
2-Butanone	ND		ug/L	10.0	SW846 8260B			8/5/11 12:43	TMP	B
n-Butylbenzene	ND		ug/L	2.0	SW846 8260B			8/5/11 12:43	TMP	B
tert-Butylbenzene	ND		ug/L	2.0	SW846 8260B			8/5/11 12:43	TMP	B
sec-Butylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
Chloroform	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
1,4-Dioxane	ND		ug/L	320	SW846 8260B			8/5/11 12:43	TMP	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
n-Propylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
Toluene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			8/5/11 12:43	TMP	B
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
Trichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			8/5/11 12:43	TMP	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	98.7		%	62-133	SW846 8260B			8/5/11 12:43	TMP	B
4-Bromofluorobenzene (S)	95.3		%	79-114	SW846 8260B			8/5/11 12:43	TMP	B
Dibromofluoromethane (S)	100		%	78-116	SW846 8260B			8/5/11 12:43	TMP	B
Toluene-d8 (S)	125		%	76-127	SW846 8260B			8/5/11 12:43	TMP	B
SEMIVOLATILES										
Acenaphthene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595002** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B5** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Acenaphthylene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Anthracene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Benzidine	ND		ug/L	33.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Benzo(a)anthracene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Benzo(a)pyrene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Benzo(b)fluoranthene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Benzo(g,h,i)perylene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Benzo(k)fluoranthene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
4-Bromophenyl-phenylether	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Butylbenzylphthalate	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Carbazole	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
4-Chloroaniline	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
bis(2-Chloroethoxy)methane	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
bis(2-Chloroethyl)ether	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
bis(2-Chloroisopropyl)ether	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
2-Chloronaphthalene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
4-Chlorophenyl-phenylether	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Chrysene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Di-n-Butylphthalate	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Di-n-Octylphthalate	ND		ug/L	8.9	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Dibenzo(a,h)anthracene	ND		ug/L	2.2	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Dibenzofuran	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
1,2-Dichlorobenzene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
1,3-Dichlorobenzene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
1,4-Dichlorobenzene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
3,3-Dichlorobenzidine	ND		ug/L	17.8	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Diethylphthalate	ND		ug/L	8.9	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Dimethylphthalate	ND		ug/L	8.9	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
2,4-Dinitrotoluene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
2,6-Dinitrotoluene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
1,2-Diphenylhydrazine	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
bis(2-Ethylhexyl)phthalate	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Fluoranthene	2.7		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Fluorene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Hexachlorobenzene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Hexachlorobutadiene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Hexachlorocyclopentadiene	ND		ug/L	8.9	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Hexachloroethane	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Isophorone	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
2-Methylnaphthalene	ND		ug/L	2.2	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595002** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B5** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Naphthalene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
2-Nitroaniline	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
3-Nitroaniline	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
4-Nitroaniline	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Nitrobenzene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
N-Nitrosodimethylamine	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
N-Nitroso-di-n-propylamine	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
N-Nitrosodiphenylamine	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Phenanthrene	1.8		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Pyrene	2.3		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
1,2,4-Trichlorobenzene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	93.7		%	40-125	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
2-Fluorobiphenyl (S)	79.9		%	50-110	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
2-Fluorophenol (S)	51.8		%	20-75	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Nitrobenzene-d5 (S)	81		%	40-110	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Phenol-d5 (S)	35		%	13-49	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
Terphenyl-d14 (S)	89.4		%	50-122	SW846 8270D	8/5/11	GEC	8/8/11 15:36	SAS	C1
PCBs										
Total Polychlorinated Biphenyl	ND		ug/L	0.54	SW846 8082A	8/15/11	GEC	8/6/11 09:50	KJH	D2
Aroclor-1016	ND		ug/L	0.54	SW846 8082A	8/15/11	GEC	8/6/11 09:50	KJH	D2
Aroclor-1221	ND		ug/L	0.54	SW846 8082A	8/15/11	GEC	8/6/11 09:50	KJH	D2
Aroclor-1232	ND		ug/L	0.54	SW846 8082A	8/15/11	GEC	8/6/11 09:50	KJH	D2
Aroclor-1242	ND		ug/L	0.54	SW846 8082A	8/15/11	GEC	8/6/11 09:50	KJH	D2
Aroclor-1248	ND		ug/L	0.54	SW846 8082A	8/15/11	GEC	8/6/11 09:50	KJH	D2
Aroclor-1254	ND		ug/L	0.54	SW846 8082A	8/15/11	GEC	8/6/11 09:50	KJH	D2
Aroclor-1260	ND		ug/L	0.54	SW846 8082A	8/15/11	GEC	8/6/11 09:50	KJH	D2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	32		%	30-150	SW846 8082A	8/15/11	GEC	8/6/11 09:50	KJH	D2
Tetrachloro-m-xylene (S)	108		%	36-112	SW846 8082A	8/15/11	GEC	8/6/11 09:50	KJH	D2
PESTICIDES										
Aldrin	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
alpha-BHC	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
beta-BHC	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
delta-BHC	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
gamma-BHC	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
alpha-Chlordane	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595002** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B5** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
gamma-Chlordane	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
4,4'-DDD	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
4,4'-DDE	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
4,4'-DDT	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
Dieldrin	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
Endosulfan I	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
Endosulfan II	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
Endosulfan Sulfate	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
Endrin	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
Endrin Aldehyde	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
Endrin Ketone	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
Heptachlor	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
Heptachlor Epoxide	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
Methoxychlor	ND		ug/L	0.027	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
Toxaphene	ND		ug/L	1.1	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	33.3		%	30-140	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
Tetrachloro-m-xylene (S)	86.8		%	30-123	SW846 8081B	8/5/11	GEC	8/8/11 19:16	KJH	D1
METALS										
Aluminum, Dissolved	ND		mg/L	0.10	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Antimony, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Barium, Dissolved	0.037		mg/L	0.010	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Beryllium, Dissolved	ND		mg/L	0.0040	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Calcium, Dissolved	212		mg/L	0.10	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Cobalt, Dissolved	0.0068		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Copper, Dissolved	ND		mg/L	0.010	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Iron, Dissolved	ND		mg/L	0.060	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Magnesium, Dissolved	34.1		mg/L	0.10	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Manganese, Dissolved	0.36		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	8/5/11	MNP	8/5/11 11:58	MNP	E1
Nickel, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Potassium, Dissolved	16.7		mg/L	0.50	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Sodium, Dissolved	48.2		mg/L	0.50	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595002** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B5** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Thallium, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Vanadium, Dissolved	ND		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2
Zinc, Dissolved	0.022		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:17	JWK	E2

Sample Comments:

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595003** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B6** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			8/5/11 13:16	TMP	B
Benzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
2-Butanone	ND		ug/L	10.0	SW846 8260B			8/5/11 13:16	TMP	B
n-Butylbenzene	ND		ug/L	2.0	SW846 8260B			8/5/11 13:16	TMP	B
tert-Butylbenzene	ND		ug/L	2.0	SW846 8260B			8/5/11 13:16	TMP	B
sec-Butylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
Chloroform	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
1,4-Dioxane	ND		ug/L	320	SW846 8260B			8/5/11 13:16	TMP	B
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
n-Propylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
Toluene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
Total Xylenes	ND		ug/L	3.0	SW846 8260B			8/5/11 13:16	TMP	B
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
Trichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			8/5/11 13:16	TMP	B
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	98.1		%	62-133	SW846 8260B			8/5/11 13:16	TMP	B
4-Bromofluorobenzene (S)	97.1		%	79-114	SW846 8260B			8/5/11 13:16	TMP	B
Dibromofluoromethane (S)	101		%	78-116	SW846 8260B			8/5/11 13:16	TMP	B
Toluene-d8 (S)	124		%	76-127	SW846 8260B			8/5/11 13:16	TMP	B
SEMIVOLATILES										
Acenaphthene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595003** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B6** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Acenaphthylene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Anthracene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Benzidine	ND		ug/L	33.0	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Benzo(a)anthracene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Benzo(a)pyrene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Benzo(b)fluoranthene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Benzo(g,h,i)perylene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Benzo(k)fluoranthene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
4-Bromophenyl-phenylether	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Butylbenzylphthalate	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Carbazole	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
4-Chloroaniline	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
bis(2-Chloroethoxy)methane	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
bis(2-Chloroethyl)ether	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
bis(2-Chloroisopropyl)ether	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
2-Chloronaphthalene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
4-Chlorophenyl-phenylether	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Chrysene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Di-n-Butylphthalate	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Di-n-Octylphthalate	ND		ug/L	8.8	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Dibenzo(a,h)anthracene	ND		ug/L	2.2	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Dibenzofuran	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
1,2-Dichlorobenzene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
1,3-Dichlorobenzene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
1,4-Dichlorobenzene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
3,3-Dichlorobenzidine	ND		ug/L	17.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Diethylphthalate	ND		ug/L	8.8	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Dimethylphthalate	ND		ug/L	8.8	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
2,4-Dinitrotoluene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
2,6-Dinitrotoluene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
1,2-Diphenylhydrazine	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
bis(2-Ethylhexyl)phthalate	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Fluoranthene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Fluorene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Hexachlorobenzene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Hexachlorobutadiene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Hexachlorocyclopentadiene	ND		ug/L	8.8	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Hexachloroethane	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Isophorone	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
2-Methylnaphthalene	ND		ug/L	2.2	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595003** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B6** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Naphthalene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
2-Nitroaniline	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
3-Nitroaniline	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
4-Nitroaniline	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Nitrobenzene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
N-Nitrosodimethylamine	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
N-Nitroso-di-n-propylamine	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
N-Nitrosodiphenylamine	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Phenanthrene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Pyrene	ND		ug/L	1.6	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
1,2,4-Trichlorobenzene	ND		ug/L	3.3	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	88.2		%	40-125	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
2-Fluorobiphenyl (S)	70.1		%	50-110	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
2-Fluorophenol (S)	44.1		%	20-75	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Nitrobenzene-d5 (S)	66.9		%	40-110	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Phenol-d5 (S)	30.2		%	13-49	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
Terphenyl-d14 (S)	81.3		%	50-122	SW846 8270D	8/5/11	GEC	8/8/11 16:00	SAS	C1
PCBs										
Total Polychlorinated Biphenyl	ND		ug/L	0.59	SW846 8082A	8/15/11	GEC	8/6/11 10:06	KJH	D2
Aroclor-1016	ND		ug/L	0.59	SW846 8082A	8/15/11	GEC	8/6/11 10:06	KJH	D2
Aroclor-1221	ND		ug/L	0.59	SW846 8082A	8/15/11	GEC	8/6/11 10:06	KJH	D2
Aroclor-1232	ND		ug/L	0.59	SW846 8082A	8/15/11	GEC	8/6/11 10:06	KJH	D2
Aroclor-1242	ND		ug/L	0.59	SW846 8082A	8/15/11	GEC	8/6/11 10:06	KJH	D2
Aroclor-1248	ND		ug/L	0.59	SW846 8082A	8/15/11	GEC	8/6/11 10:06	KJH	D2
Aroclor-1254	ND		ug/L	0.59	SW846 8082A	8/15/11	GEC	8/6/11 10:06	KJH	D2
Aroclor-1260	ND		ug/L	0.59	SW846 8082A	8/15/11	GEC	8/6/11 10:06	KJH	D2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	35.7		%	30-150	SW846 8082A	8/15/11	GEC	8/6/11 10:06	KJH	D2
Tetrachloro-m-xylene (S)	111		%	36-112	SW846 8082A	8/15/11	GEC	8/6/11 10:06	KJH	D2
PESTICIDES										
Aldrin	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
alpha-BHC	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
beta-BHC	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
delta-BHC	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
gamma-BHC	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
alpha-Chlordane	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595003** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B6** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
gamma-Chlordane	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
4,4'-DDD	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
4,4'-DDE	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
4,4'-DDT	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
Dieldrin	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
Endosulfan I	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
Endosulfan II	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
Endosulfan Sulfate	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
Endrin	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
Endrin Aldehyde	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
Endrin Ketone	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
Heptachlor	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
Heptachlor Epoxide	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
Methoxychlor	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
Toxaphene	ND		ug/L	1.2	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	37.3		%	30-140	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
Tetrachloro-m-xylene (S)	84		%	30-123	SW846 8081B	8/5/11	GEC	8/8/11 19:28	KJH	D1
METALS										
Aluminum, Dissolved	ND		mg/L	0.10	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Antimony, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Barium, Dissolved	0.15		mg/L	0.010	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Beryllium, Dissolved	ND		mg/L	0.0040	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Calcium, Dissolved	127		mg/L	0.10	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Cobalt, Dissolved	ND		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Copper, Dissolved	ND		mg/L	0.010	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Iron, Dissolved	ND		mg/L	0.060	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Magnesium, Dissolved	51.8		mg/L	0.10	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Manganese, Dissolved	3.5		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	8/5/11	MNP	8/5/11 11:59	MNP	E1
Nickel, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Potassium, Dissolved	22.5		mg/L	0.50	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Sodium, Dissolved	115		mg/L	0.50	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595003** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B6** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Thallium, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Vanadium, Dissolved	ND		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2
Zinc, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:21	JWK	E2

Sample Comments:

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595004** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B7** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			8/5/11 13:02	MES	A
Benzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
2-Butanone	ND		ug/L	10.0	SW846 8260B			8/5/11 13:02	MES	A
n-Butylbenzene	ND		ug/L	2.0	SW846 8260B			8/5/11 13:02	MES	A
tert-Butylbenzene	ND		ug/L	2.0	SW846 8260B			8/5/11 13:02	MES	A
sec-Butylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
Chloroform	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B			8/5/11 13:02	MES	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
n-Propylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
Toluene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			8/5/11 13:02	MES	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			8/5/11 13:02	MES	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	98.7		%	62-133	SW846 8260B			8/5/11 13:02	MES	A
4-Bromofluorobenzene (S)	82.8		%	79-114	SW846 8260B			8/5/11 13:02	MES	A
Dibromofluoromethane (S)	86.3		%	78-116	SW846 8260B			8/5/11 13:02	MES	A
Toluene-d8 (S)	92.6		%	76-127	SW846 8260B			8/5/11 13:02	MES	A
SEMIVOLATILES										
Acenaphthene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595004** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B7** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Acenaphthylene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Anthracene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Benzidine	ND		ug/L	34.9	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Benzo(a)anthracene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Benzo(a)pyrene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Benzo(b)fluoranthene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Benzo(g,h,i)perylene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Benzo(k)fluoranthene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
4-Bromophenyl-phenylether	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Butylbenzylphthalate	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Carbazole	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
4-Chloroaniline	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
bis(2-Chloroethoxy)methane	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
bis(2-Chloroethyl)ether	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
bis(2-Chloroisopropyl)ether	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
2-Chloronaphthalene	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
4-Chlorophenyl-phenylether	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Chrysene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Di-n-Butylphthalate	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Di-n-Octylphthalate	ND		ug/L	9.3	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Dibenzo(a,h)anthracene	ND		ug/L	2.3	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Dibenzofuran	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
1,2-Dichlorobenzene	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
1,3-Dichlorobenzene	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
1,4-Dichlorobenzene	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
3,3-Dichlorobenzidine	ND		ug/L	18.6	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Diethylphthalate	ND		ug/L	9.3	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Dimethylphthalate	ND		ug/L	9.3	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
2,4-Dinitrotoluene	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
2,6-Dinitrotoluene	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
1,2-Diphenylhydrazine	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
bis(2-Ethylhexyl)phthalate	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Fluoranthene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Fluorene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Hexachlorobenzene	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Hexachlorobutadiene	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Hexachlorocyclopentadiene	ND		ug/L	9.3	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Hexachloroethane	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Isophorone	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
2-Methylnaphthalene	ND		ug/L	2.3	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1

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State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595004** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B7** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Naphthalene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
2-Nitroaniline	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
3-Nitroaniline	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
4-Nitroaniline	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Nitrobenzene	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
N-Nitrosodimethylamine	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
N-Nitroso-di-n-propylamine	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
N-Nitrosodiphenylamine	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Phenanthrene	2.5		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Pyrene	ND		ug/L	1.7	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
1,2,4-Trichlorobenzene	ND		ug/L	3.5	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	92.6		%	40-125	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
2-Fluorobiphenyl (S)	79.7		%	50-110	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
2-Fluorophenol (S)	51.3		%	20-75	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Nitrobenzene-d5 (S)	79.2		%	40-110	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Phenol-d5 (S)	34.3		%	13-49	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
Terphenyl-d14 (S)	85.6		%	50-122	SW846 8270D	8/5/11	GEC	8/8/11 16:24	SAS	C1
PCBs										
Total Polychlorinated Biphenyl	ND		ug/L	0.57	SW846 8082A	8/15/11	GEC	8/6/11 10:21	KJH	D2
Aroclor-1016	ND		ug/L	0.57	SW846 8082A	8/15/11	GEC	8/6/11 10:21	KJH	D2
Aroclor-1221	ND		ug/L	0.57	SW846 8082A	8/15/11	GEC	8/6/11 10:21	KJH	D2
Aroclor-1232	ND		ug/L	0.57	SW846 8082A	8/15/11	GEC	8/6/11 10:21	KJH	D2
Aroclor-1242	ND		ug/L	0.57	SW846 8082A	8/15/11	GEC	8/6/11 10:21	KJH	D2
Aroclor-1248	ND		ug/L	0.57	SW846 8082A	8/15/11	GEC	8/6/11 10:21	KJH	D2
Aroclor-1254	ND		ug/L	0.57	SW846 8082A	8/15/11	GEC	8/6/11 10:21	KJH	D2
Aroclor-1260	ND		ug/L	0.57	SW846 8082A	8/15/11	GEC	8/6/11 10:21	KJH	D2
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	36.6		%	30-150	SW846 8082A	8/15/11	GEC	8/6/11 10:21	KJH	D2
Tetrachloro-m-xylene (S)	111		%	36-112	SW846 8082A	8/15/11	GEC	8/6/11 10:21	KJH	D2
PESTICIDES										
Aldrin	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
alpha-BHC	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
beta-BHC	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
delta-BHC	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
gamma-BHC	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
alpha-Chlordane	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595004** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B7** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
gamma-Chlordane	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
4,4'-DDD	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
4,4'-DDE	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
4,4'-DDT	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
Dieldrin	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
Endosulfan I	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
Endosulfan II	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
Endosulfan Sulfate	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
Endrin	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
Endrin Aldehyde	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
Endrin Ketone	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
Heptachlor	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
Heptachlor Epoxide	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
Methoxychlor	ND		ug/L	0.029	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
Toxaphene	ND		ug/L	1.1	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
Decachlorobiphenyl (S)	41.1		%	30-140	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
Tetrachloro-m-xylene (S)	107		%	30-123	SW846 8081B	8/5/11	GEC	8/8/11 20:27	KJH	D1
METALS										
Aluminum, Dissolved	ND		mg/L	0.10	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Antimony, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Arsenic, Dissolved	ND		mg/L	0.0080	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Barium, Dissolved	0.085		mg/L	0.010	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Beryllium, Dissolved	ND		mg/L	0.0040	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Cadmium, Dissolved	ND		mg/L	0.0020	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Calcium, Dissolved	31.9		mg/L	0.10	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Chromium, Dissolved	ND		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Cobalt, Dissolved	ND		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Copper, Dissolved	ND		mg/L	0.010	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Iron, Dissolved	ND		mg/L	0.060	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Lead, Dissolved	ND		mg/L	0.0060	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Magnesium, Dissolved	8.8		mg/L	0.10	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Manganese, Dissolved	0.68		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Mercury, Dissolved	ND		mg/L	0.00050	SW846 7470A	8/5/11	MNP	8/5/11 12:05	MNP	E1
Nickel, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Potassium, Dissolved	12.7		mg/L	0.50	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Selenium, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Silver, Dissolved	ND		mg/L	0.0040	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Sodium, Dissolved	158		mg/L	0.50	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595004** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B7** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Thallium, Dissolved	ND		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Vanadium, Dissolved	ND		mg/L	0.0050	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2
Zinc, Dissolved	0.077		mg/L	0.020	SW846 6010C	8/5/11	JWK	8/5/11 13:24	JWK	E2

Sample Comments:

Anna G Milliken
Technical Manager

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ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595005** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B1** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Acetone	ND		ug/L	10.0	SW846 8260B			8/5/11 13:37	MES	A
Benzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
2-Butanone	ND		ug/L	10.0	SW846 8260B			8/5/11 13:37	MES	A
n-Butylbenzene	ND		ug/L	2.0	SW846 8260B			8/5/11 13:37	MES	A
tert-Butylbenzene	ND		ug/L	2.0	SW846 8260B			8/5/11 13:37	MES	A
sec-Butylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
Carbon Tetrachloride	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
Chlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
Chloroform	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
1,2-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
1,3-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
1,4-Dichlorobenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
1,1-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
1,2-Dichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
1,1-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
cis-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
trans-1,2-Dichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
1,4-Dioxane	ND		ug/L	320	SW846 8260B			8/5/11 13:37	MES	A
Ethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
Methyl t-Butyl Ether	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
Methylene Chloride	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
n-Propylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
Tetrachloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
Toluene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
Total Xylenes	ND		ug/L	3.0	SW846 8260B			8/5/11 13:37	MES	A
1,1,1-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
1,1,2-Trichloroethane	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
Trichloroethene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
1,2,4-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
1,3,5-Trimethylbenzene	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
Vinyl Chloride	ND		ug/L	1.0	SW846 8260B			8/5/11 13:37	MES	A
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
1,2-Dichloroethane-d4 (S)	100		%	62-133	SW846 8260B			8/5/11 13:37	MES	A
4-Bromofluorobenzene (S)	84		%	79-114	SW846 8260B			8/5/11 13:37	MES	A
Dibromofluoromethane (S)	84		%	78-116	SW846 8260B			8/5/11 13:37	MES	A
Toluene-d8 (S)	91.7		%	76-127	SW846 8260B			8/5/11 13:37	MES	A
SEMIVOLATILES										
Acenaphthene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1

ALS Environmental
34 Dogwood Lane ■ Middletown, PA 17057 ■ Phone: 717-944-5541 ■ Fax: 717-944-1430 ■ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ANALYTICAL RESULTS

Workorder: 9919595 2211 3rd Avenue

Lab ID: **9919595005** Date Collected: 8/1/2011 00:00 Matrix: Ground Water

Sample ID: **B1** Date Received: 8/2/2011 19:31

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
Acenaphthylene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Anthracene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Benzo(a)anthracene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Benzo(a)pyrene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Benzo(b)fluoranthene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Benzo(g,h,i)perylene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Benzo(k)fluoranthene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Chrysene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Dibenzo(a,h)anthracene	ND		ug/L	2.5	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Fluoranthene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Fluorene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Indeno(1,2,3-cd)pyrene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Phenanthrene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Pyrene	ND		ug/L	1.9	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Surrogate Recoveries	*Results*	*Flag*	*Units*	*Limits*	*Method*	*Prepared*	*By*	*Analyzed*	*By*	*Cntr*
2,4,6-Tribromophenol (S)	94.2		%	40-125	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
2-Fluorobiphenyl (S)	73.9		%	50-110	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
2-Fluorophenol (S)	50.4		%	20-75	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Nitrobenzene-d5 (S)	73.3		%	40-110	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Phenol-d5 (S)	34.6		%	13-49	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1
Terphenyl-d14 (S)	89.2		%	50-122	SW846 8270D	8/5/11	GEC	8/8/11 16:49	SAS	C1

Sample Comments:

Anna G Milliken
Technical Manager

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: CT PH-0224 , DE ID 11 , GA 914 , MA PA0102 , MD 128 , LA 04162 , VA 421 , WY EPA Region 8 , WV 343

ALS Environmental
Ship to: 34 Dogwood Lane • Middletown, PA 17057 • 717.944.5541 • Fax: 717.944.1430

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/ SAMPLER INSTRUCTIONS ON THE BACK

Page 1 of 1
Courier:
Tracking #:
99195 95

Co. Name: ENVIRONMENTAL BUSINESS CONSULTANTS
Contact (Report to): Phone: 631.504.6000
Address: 1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961

Bill to (if different than Report to): PO#:

Project Name/#: 2211 3RD AVENUE, HARLEM ALS Quote #:

TAT: [ ] Normal-Standard TAT is 10 business days. Date Required: 8/9/11
[X] Rush-Subject to ALS approval and surcharges. Approved By:

Email? X -Y csosik@ebcincny.com
Fax? -Y No.:

| | | |

Tonya Hironimus

From: Kevin Brussee [Kbrussee@ebcincny.com]
Sent: Wednesday, August 03, 2011 4:56 PM
To: Tonya Hironimus
Subject: RE: 2211 3rd Avenue, Harlem

Categories: Red Category

Correct, do not analyze the water Tank 1 sample or the soil B1(0-2) or B1(13-15).

Kevin Brussee
EBC

From: Tonya Hironimus [mailto:Tonya.Hironimus@ALSGlobal.com]
Sent: Wednesday, August 03, 2011 4:54 PM
To: Kevin Brussee
Cc: Marty Rowan; Scott Brunk; 'Charles Sosik'
Subject: RE: 2211 3rd Avenue, Harlem

Kevin,
Just to confirm, per the information we received from Marty, we will not be analyzing the water "Tank 1" sample or the soil "B1 (0-2)" or B1 (13-15)" samples. If this is not correct, please let me know.

Thanks,
Tonya Hironimus

From: Kevin Brussee [mailto:Kbrussee@ebcincny.com]
Sent: Wednesday, August 03, 2011 1:34 PM
To: Tonya Hironimus
Cc: Marty Rowan; Scott Brunk; 'Charles Sosik'
Subject: RE: 2211 3rd Avenue, Harlem

Charles,

I have various questions regarding the attached COC versus the bottles we received which I was hoping you can help me clear up.

1) B1 - only VOCs 8260 and SVOC 8270 CP51 testing is asked for on this sample, though we received the same bottles for B1 as we did for the rest of the samples we received on this COC (including TAL metals and Pest/PCB). What testing do you need for B1?

Only run groundwater sample B1 for VOCs 8260 and SVOCs 8270 CP51.

2) B4, B5, B6 and B7 - one of the tests on the COC for these samples is "TAL Metals Dissolved" and bottle listed is "plastic 250ml ice". We actually received for each of these and B1, 1 preserved HNO3 bottle for metals and 1 unpreserved bottle for metals. Do you need only dissolved metals or do you need dissolved and total metals?

Only run the groundwater samples B4, B5, B6 and B7 for TAL dissolved metals as noted on the COC. However, please retain the HNO3 preserved bottles in case we need to add total metals in the future.

1

3) B4 - 2 of the tests on the COC for this sample is SVOCs 8270 and Pest/PCBs, though we received 1 full amber liter of sample and 1/2 filled liter of sample. Each of these tests requires 1 full liter of sample in order to get you our lowest detection limits. Which of these tests is more important to get lower detection limits on so we can decide how to appropriately use the sample we received for this testing.

It is highly unlikely that the groundwater sample contains any pesticides or PCBs, therefore those two parameters are the least important. I rarely submit two amber liters for SVOCs and pestides/PCBs unless I believe something will be detected in the sample. Does ALS require two full amber L's? I collected groundwater samples today from a job and only collected one amber L and they will require analysis of both pesticides/PCBs and SVOCs. Please let me know.

We received bottles labeled "Tank 1" (2-HCl vials, 1-1L amber glass unpreserved) though this ID was not listed on the COCs. Please let me know if this needs to be tested and what testing you need performed on this sample.
I can't find the yellow copies of the COCs. Did the courier take them? Can you fax me a copy of each of the COCs?

Kevin Brussee
Environmental Business Consultants
1808 Middle Country Road
Ridge, New York 11961
Phone: 631.504.6000

ALS Group: Click here to report this email as spam.

****
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****

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Environmental Business Consultants
1808 Middle Country Rd.
Ridge NY, 11961
Attention: Charles Sosik

Report Date: 08/26/2011
Client Project ID: 2211 Third Ave. New York, NY
York Project (SDG) No.: 11H0717

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854 PA License No. 68-04440

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

Report Date: 08/26/2011
Client Project ID: 2211 Third Ave. New York, NY
York Project (SDG) No.: 11H0717

Environmental Business Consultants
1808 Middle Country Rd.
Ridge NY, 11961
Attention: Charles Sosik

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 19, 2011 and listed below. The project was identified as your project: **2211 Third Ave. New York, NY**.

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
11H0717-01	SG 1	Soil Vapor	08/18/2011	08/19/2011
11H0717-02	SG 2	Soil Vapor	08/18/2011	08/19/2011
11H0717-03	SG 3	Soil Vapor	08/18/2011	08/19/2011
11H0717-04	SG 4	Soil Vapor	08/18/2011	08/19/2011

General Notes for York Project (SDG) No.: 11H0717

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

Approved By: **Date:** 08/26/2011

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SG 1 **York Sample ID:** 11H0717-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0717	2211 Third Ave. New York, NY	Soil Vapor	August 18, 2011 12:00 am	08/19/2011

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	**1,1,1-Trichloroethane**	**5.2**		ug/m³	0.21	1.2	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.36	1.5	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.12	1.7	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.30	1.2	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.11	0.88	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.13	0.86	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.35	1.6	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.13	1.1	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.33	1.3	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.21	0.88	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.22	1.0	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.26	1.5	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.14	1.1	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
106-99-0	1,3-Butadiene	ND		ug/m³	0.14	0.94	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.24	1.3	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.29	1.3	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
123-91-1	1,4-Dioxane	ND		ug/m³	0.70	0.78	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	0.12	1.0	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
78-93-3	2-Butanone	ND		ug/m³	0.26	0.64	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
591-78-6	2-Hexanone	ND		ug/m³	0.49	0.89	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
107-05-1	3-Chloropropene	ND		ug/m³	0.12	0.68	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.32	0.89	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
67-64-1	**Acetone**	**100**	B	ug/m³	0.16	0.52	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
71-43-2	**Benzene**	**4.2**		ug/m³	0.10	0.69	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
100-44-7	Benzyl chloride	ND		ug/m³	0.13	1.1	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
75-27-4	Bromodichloromethane	ND		ug/m³	0.32	1.3	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
75-25-2	Bromoform	ND		ug/m³	0.40	2.2	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
74-83-9	Bromomethane	ND		ug/m³	0.10	0.84	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
75-15-0	Carbon disulfide	ND		ug/m³	0.081	0.68	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.16	0.68	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
108-90-7	Chlorobenzene	ND		ug/m³	0.18	1.0	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
75-00-3	Chloroethane	ND		ug/m³	0.069	0.57	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
67-66-3	Chloroform	ND		ug/m³	0.16	1.1	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
74-87-3	Chloromethane	ND		ug/m³	0.13	0.45	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SG 1 **York Sample ID:** 11H0717-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0717	2211 Third Ave. New York, NY	Soil Vapor	August 18, 2011 12:00 am	08/19/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.15	0.86	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.25	0.99	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
110-82-7	Cyclohexane	ND		ug/m³	0.090	0.75	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.27	1.1	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
141-78-6	Ethyl acetate	ND		ug/m³	0.20	0.78	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
100-41-4	**Ethyl Benzene**	**2.1**		ug/m³	0.17	0.94	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.42	2.3	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
67-63-0	Isopropanol	ND		ug/m³	0.19	0.53	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.094	0.78	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
75-09-2	Methylene chloride	ND		ug/m³	0.18	3.8	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
142-82-5	n-Heptane	ND		ug/m³	0.11	0.89	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
110-54-3	n-Hexane	ND		ug/m³	0.092	0.77	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
95-47-6	**o-Xylene**	**5.6**		ug/m³	0.17	0.94	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
1330-20-7P/M	**p- & m- Xylenes**	**13**		ug/m³	0.32	0.94	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	0.19	1.1	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
115-07-01	Propylene	ND		ug/m³	0.17	0.37	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
100-42-5	Styrene	ND		ug/m³	0.17	0.93	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
127-18-4	**Tetrachloroethylene**	**27**		ug/m³	0.18	1.5	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
109-99-9	Tetrahydrofuran	ND		ug/m³	0.16	0.64	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
108-88-3	**Toluene**	**17**		ug/m³	0.20	0.82	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.10	0.86	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.18	0.99	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
79-01-6	Trichloroethylene	ND		ug/m³	0.14	0.58	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**62**		ug/m³	0.073	1.2	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.11	0.76	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
593-60-2	Vinyl bromide	ND		ug/m³	0.14	0.95	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD
75-01-4	Vinyl Chloride	ND		ug/m³	0.13	0.56	2.136	EPA Compendium TO-15	08/26/2011 09:34	08/26/2011 09:34	TD

Sample Information

Client Sample ID: SG 2 **York Sample ID:** 11H0717-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0717	2211 Third Ave. New York, NY	Soil Vapor	August 18, 2011 12:00 am	08/19/2011

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SG 2 **York Sample ID:** 11H0717-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0717	2211 Third Ave. New York, NY	Soil Vapor	August 18, 2011 12:00 am	08/19/2011

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.3	7.4	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.2	9.3	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.73	10	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.9	7.4	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.66	5.5	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.81	5.4	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.2	10	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.80	6.7	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	2.0	8.2	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.3	5.5	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.4	6.3	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.6	9.5	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.87	6.7	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
106-99-0	1,3-Butadiene	ND		ug/m³	0.88	5.9	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.5	8.2	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.8	8.2	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
123-91-1	1,4-Dioxane	ND		ug/m³	4.4	4.9	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	0.76	6.3	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
78-93-3	**2-Butanone**	**42**		ug/m³	1.6	4.0	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
591-78-6	2-Hexanone	ND		ug/m³	3.1	5.6	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
107-05-1	3-Chloropropene	ND		ug/m³	0.76	4.2	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
108-10-1	**4-Methyl-2-pentanone**	**25**		ug/m³	2.0	5.6	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
67-64-1	**Acetone**	**380**	B	ug/m³	1.0	3.2	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
71-43-2	Benzene	ND		ug/m³	0.65	4.3	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
100-44-7	Benzyl chloride	ND		ug/m³	0.84	7.0	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
75-27-4	Bromodichloromethane	ND		ug/m³	2.0	8.4	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
75-25-2	Bromoform	ND		ug/m³	2.5	14	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
74-83-9	Bromomethane	ND		ug/m³	0.63	5.3	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
75-15-0	Carbon disulfide	ND		ug/m³	0.51	4.2	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	1.0	4.3	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
108-90-7	Chlorobenzene	ND		ug/m³	1.1	6.2	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
75-00-3	Chloroethane	ND		ug/m³	0.43	3.6	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
67-66-3	Chloroform	ND		ug/m³	0.99	6.6	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
74-87-3	**Chloromethane**	**3.6**		ug/m³	0.84	2.8	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.91	5.4	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SG 2 **York Sample ID:** 11H0717-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0717	2211 Third Ave. New York, NY	Soil Vapor	August 18, 2011 12:00 am	08/19/2011

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.5	6.2	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
110-82-7	Cyclohexane	ND		ug/m³	0.56	4.7	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
75-71-8	**Dichlorodifluoromethane**	**15**		ug/m³	1.7	6.7	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
141-78-6	Ethyl acetate	ND		ug/m³	1.2	4.9	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
100-41-4	Ethyl Benzene	ND		ug/m³	1.1	5.9	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.6	14	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
67-63-0	**Isopropanol**	**36**		ug/m³	1.2	3.3	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.59	4.9	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
75-09-2	Methylene chloride	ND		ug/m³	1.1	24	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
142-82-5	n-Heptane	ND		ug/m³	0.67	5.6	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
110-54-3	n-Hexane	ND		ug/m³	0.57	4.8	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
95-47-6	o-Xylene	ND		ug/m³	1.1	5.9	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m³	2.0	5.9	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	1.2	6.7	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
115-07-01	Propylene	ND		ug/m³	1.1	2.3	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
100-42-5	Styrene	ND		ug/m³	1.0	5.8	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
127-18-4	**Tetrachloroethylene**	**12**		ug/m³	1.1	9.2	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
109-99-9	Tetrahydrofuran	ND		ug/m³	1.0	4.0	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
108-88-3	**Toluene**	**16**		ug/m³	1.2	5.1	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.65	5.4	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.1	6.2	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
79-01-6	Trichloroethylene	ND		ug/m³	0.87	3.6	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**38**		ug/m³	0.46	7.6	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.72	4.8	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
593-60-2	Vinyl bromide	ND		ug/m³	0.89	5.9	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD
75-01-4	Vinyl Chloride	ND		ug/m³	0.83	3.5	13.335	EPA Compendium TO-15	08/26/2011 10:19	08/26/2011 10:19	TD

Sample Information

Client Sample ID: SG 3 **York Sample ID:** 11H0717-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0717	2211 Third Ave. New York, NY	Soil Vapor	August 18, 2011 12:00 am	08/19/2011

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SG 3 **York Sample ID:** 11H0717-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0717	2211 Third Ave. New York, NY	Soil Vapor	August 18, 2011 12:00 am	08/19/2011

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	**1,1,1-Trichloroethane**	**3.9**		ug/m³	0.17	0.96	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.29	1.2	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.094	1.3	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.24	0.96	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.085	0.71	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.10	0.70	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.29	1.3	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
95-63-6	**1,2,4-Trimethylbenzene**	**3.9**		ug/m³	0.10	0.86	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.26	1.1	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.17	0.71	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.18	0.81	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.21	1.2	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.11	0.86	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
106-99-0	1,3-Butadiene	ND		ug/m³	0.11	0.76	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
541-73-1	**1,3-Dichlorobenzene**	**13**		ug/m³	0.19	1.1	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.23	1.1	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
123-91-1	1,4-Dioxane	ND		ug/m³	0.57	0.63	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	0.098	0.82	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
78-93-3	**2-Butanone**	**11**		ug/m³	0.21	0.52	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
591-78-6	2-Hexanone	ND		ug/m³	0.40	0.72	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
107-05-1	3-Chloropropene	ND		ug/m³	0.099	0.55	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
108-10-1	**4-Methyl-2-pentanone**	**13**		ug/m³	0.26	0.72	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
67-64-1	**Acetone**	**150**	B	ug/m³	0.13	0.42	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
71-43-2	**Benzene**	**2.6**		ug/m³	0.084	0.56	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
100-44-7	Benzyl chloride	ND		ug/m³	0.11	0.91	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
75-27-4	Bromodichloromethane	ND		ug/m³	0.26	1.1	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
75-25-2	Bromoform	ND		ug/m³	0.33	1.8	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
74-83-9	Bromomethane	ND		ug/m³	0.082	0.68	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
75-15-0	Carbon disulfide	ND		ug/m³	0.066	0.55	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.13	0.55	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
108-90-7	Chlorobenzene	ND		ug/m³	0.15	0.81	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
75-00-3	Chloroethane	ND		ug/m³	0.056	0.46	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
67-66-3	Chloroform	ND		ug/m³	0.13	0.86	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
74-87-3	Chloromethane	ND		ug/m³	0.11	0.36	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SG 3 **York Sample ID:** 11H0717-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0717	2211 Third Ave. New York, NY	Soil Vapor	August 18, 2011 12:00 am	08/19/2011

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.12	0.70	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.20	0.80	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
110-82-7	Cyclohexane	ND		ug/m³	0.073	0.60	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.22	0.87	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
141-78-6	Ethyl acetate	ND		ug/m³	0.16	0.63	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
100-41-4	**Ethyl Benzene**	**1.4**		ug/m³	0.14	0.76	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.34	1.9	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
67-63-0	Isopropanol	ND		ug/m³	0.15	0.43	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.076	0.63	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
75-09-2	**Methylene chloride**	**9.7**		ug/m³	0.15	3.0	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
142-82-5	n-Heptane	ND		ug/m³	0.086	0.72	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
110-54-3	**n-Hexane**	**4.5**		ug/m³	0.074	0.62	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
95-47-6	**o-Xylene**	**2.0**		ug/m³	0.14	0.76	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
1330-20-7P/M	**p- & m- Xylenes**	**5.8**		ug/m³	0.26	0.76	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
622-96-8	**p-Ethyltoluene**	**2.3**		ug/m³	0.16	0.86	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
115-07-01	Propylene	ND		ug/m³	0.14	0.30	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
100-42-5	Styrene	ND		ug/m³	0.13	0.75	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
127-18-4	**Tetrachloroethylene**	**4.9**		ug/m³	0.14	1.2	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
109-99-9	Tetrahydrofuran	ND		ug/m³	0.13	0.52	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
108-88-3	**Toluene**	**14**		ug/m³	0.16	0.66	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.084	0.70	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.14	0.80	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
79-01-6	Trichloroethylene	ND		ug/m³	0.11	0.47	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**44**		ug/m³	0.059	0.99	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.093	0.62	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
593-60-2	Vinyl bromide	ND		ug/m³	0.12	0.77	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD
75-01-4	Vinyl Chloride	ND		ug/m³	0.11	0.45	1.726	EPA Compendium TO-15	08/26/2011 11:06	08/26/2011 11:06	TD

Sample Information

Client Sample ID: SG 4 **York Sample ID:** 11H0717-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0717	2211 Third Ave. New York, NY	Soil Vapor	August 18, 2011 12:00 am	08/19/2011

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SG 4 **York Sample ID:** 11H0717-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0717	2211 Third Ave. New York, NY	Soil Vapor	August 18, 2011 12:00 am	08/19/2011

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.0	5.7	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.7	7.2	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.56	8.1	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.4	5.7	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.51	4.3	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.62	4.2	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.7	7.8	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.62	5.2	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.6	6.3	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.0	4.3	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.1	4.9	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	7.3	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.67	5.2	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
106-99-0	1,3-Butadiene	ND		ug/m³	0.68	4.6	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
541-73-1	**1,3-Dichlorobenzene**	**9.5**		ug/m³	1.1	6.3	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.4	6.3	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
123-91-1	1,4-Dioxane	ND		ug/m³	3.4	3.8	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
540-84-1	2,2,4-Trimethylpentane	ND		ug/m³	0.59	4.9	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
78-93-3	**2-Butanone**	**13**		ug/m³	1.2	3.1	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
591-78-6	2-Hexanone	ND		ug/m³	2.4	4.3	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
107-05-1	3-Chloropropene	ND		ug/m³	0.59	3.3	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
108-10-1	**4-Methyl-2-pentanone**	**16**		ug/m³	1.5	4.3	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
67-64-1	**Acetone**	**140**	B	ug/m³	0.77	2.5	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
71-43-2	Benzene	ND		ug/m³	0.50	3.4	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
100-44-7	Benzyl chloride	ND		ug/m³	0.65	5.4	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
75-27-4	Bromodichloromethane	ND		ug/m³	1.6	6.5	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
75-25-2	Bromoform	ND		ug/m³	2.0	11	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
74-83-9	Bromomethane	ND		ug/m³	0.49	4.1	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
75-15-0	Carbon disulfide	ND		ug/m³	0.39	3.3	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.79	3.3	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
108-90-7	Chlorobenzene	ND		ug/m³	0.87	4.8	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
75-00-3	Chloroethane	ND		ug/m³	0.33	2.8	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
67-66-3	Chloroform	ND		ug/m³	0.77	5.1	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
74-87-3	Chloromethane	ND		ug/m³	0.65	2.2	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.71	4.2	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SG 4 **York Sample ID:** 11H0717-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0717	2211 Third Ave. New York, NY	Soil Vapor	August 18, 2011 12:00 am	08/19/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.2	4.8	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
110-82-7	Cyclohexane	ND		ug/m³	0.43	3.6	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
75-71-8	**Dichlorodifluoromethane**	**16**		ug/m³	1.3	5.2	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
141-78-6	Ethyl acetate	ND		ug/m³	0.95	3.8	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
100-41-4	Ethyl Benzene	ND		ug/m³	0.82	4.6	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.0	11	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
67-63-0	Isopropanol	ND		ug/m³	0.90	2.6	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.45	3.8	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
75-09-2	**Methylene chloride**	**180**		ug/m³	0.88	18	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
142-82-5	n-Heptane	ND		ug/m³	0.52	4.3	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
110-54-3	**n-Hexane**	**47**		ug/m³	0.44	3.7	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
95-47-6	o-Xylene	ND		ug/m³	0.82	4.6	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
1330-20-7P/M	**p- & m- Xylenes**	**7.3**		ug/m³	1.6	4.6	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	0.93	5.2	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
115-07-01	Propylene	ND		ug/m³	0.83	1.8	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
100-42-5	Styrene	ND		ug/m³	0.81	4.5	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	0.86	7.1	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
109-99-9	Tetrahydrofuran	ND		ug/m³	0.77	3.1	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
108-88-3	**Toluene**	**19**		ug/m³	0.95	4.0	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.50	4.2	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.86	4.8	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
79-01-6	Trichloroethylene	ND		ug/m³	0.68	2.8	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
75-69-4	**Trichlorofluoromethane (Freon 11)**	**68**		ug/m³	0.35	5.9	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.55	3.7	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
593-60-2	Vinyl bromide	ND		ug/m³	0.69	4.6	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD
75-01-4	Vinyl Chloride	ND		ug/m³	0.64	2.7	10.33	EPA Compendium TO-15	08/26/2011 11:51	08/26/2011 11:51	TD

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

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

Field Chain-of-Custody Record - AIR

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

York Project No. 11H0717

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: EBC	Company: "	Company: "	2211 Third Ave New York, NY	RUSH - Same Day ☐	Summary Report ✓
Address: 1808 Middle Country Road, Ridge, NY	Address:	Address:	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary
Phone No. (631) 504-6000	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person: Charlie Sosik	Attention:	Attention:		RUSH - Three Day ☐	NY ASP A Package
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT___ NY ✓ NJ___	RUSH - Four Day ☐	NY ASP B/CLP Pkg
				Standard(5-7 Days) ✓	NJDEP Reduced
					Electronic Deliverables:
					EDD (Specify Type)
					Standard Excel
					Regulatory Comparison Excel

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

Samples Collected/Authorized By (Signature)

Dominick Mosca
Name (printed)

Air Matrix Codes

- AI - INDOOR Ambient Air
- AO- OUTDOOR Amb. Air
- AE- Vapor Extraction Well/ Process Gas/Effluent
- AS- SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses

EPA TO-15 List	EPA TO-14A List
NYSDEC VI list	Tentatively Identified Compounds
NYSDEC STARS List	Air VPH
Project Specific List by TO-15	Helium
NJDEP Target List	Methane
CTDEP RCP Target List	OTHER_____

Detection Limits Required

- ≤ 1 ug/m³ ____
- NYSDEC VI Limits____ (VI = vapor intrusion)
- NJDEP low level ____
- Routine Survey ____
- Other_____

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum Afer Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SG 1	8·18·2011		-30	-6	TO15	6 Liter Summa canister___ Tedlar Bag___
SG 2	|		-30	-6	|	6 Liter Summa canister___ Tedlar Bag___
SG 3	|		-29	-7	|	6 Liter Summa canister___ Tedlar Bag___
SG 4	|		-30	-6	|	6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___
						6 Liter Summa canister___ Tedlar Bag___

Comments

Samples Relinquished By — Date/Time: 8·19·2011

Samples Relinquished By — Date/Time

Samples Received By — Date/Time: 8/19/11 1430

Samples Received in LAB by — Date/Time: 8/19/11 1800 @ 5.0