2477 THIRD AVENUE SITES A & B

BRONX, NEW YORK

Remedial Investigation Report

NYC BCP Site Numbers: 11CBCP009X & 11CBCP010X
E-Designation Project Number: 10EHAZ276X

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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, Michelle Lapin, am a Qualified Environmental Professional, as defined in proposed RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 2477 Third Avenue Site in the Bronx, New York (NYC BCP Site No. TBD). 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 two Sites are located at 2477 Third Avenue in the Mott Haven section of the Bronx, New York and are currently identified as Block 2320, Lot 5 and a portion of Lot 11 on the New York City Tax Map. Figure 1 shows the Site location. The Sites were formerly described as Lots 5, 7, 8, 9 and 10; however, Tax Lots 7, 8, 9, 10 and 11 were merged by the owner in 2009 during site development permitting and planning. For clarity, this RIR describes the Site using the old lot numbers. Site A consists of Lots 7, 8, 9, 10 and a portion of Lot 11 and is approximately 11,250 square feet and is currently undeveloped. Site B consists of Lot 5 and is approximately 2,250 square feet and is currently undeveloped. The Sites are located in a commercial and industrial area that is characterized by a variety of warehouse, trucking, auto repair, and manufacturing businesses. The Sites are bound to the northeast by East 136th Street, to the southeast by vacant land (former gasoline station on the remainder of Lot 11), to the southwest by East 135th Street and the Major Deegan Expressway, and to the northwest by Rider Avenue. A Site location map is provided as Figure 1.

Summary of Proposed Redevelopment Plan

The proposed future use of the Sites will consist of a four-story hotel and associated parking over Site A (old Lots 7 through 11) and at grade paved parking on Site B (Lot 5). The current zoning designation is MX-13 (mixed use). The proposed use is consistent with existing zoning for the property. The entire two Sites are vacant, therefore, no demolition will be required for construction. Although remedial actions for old Lot 11 are not addressed in this RAWP because they are being addressed under a separate plan under the NYS BCP, they are discussed here for clarity about the development project as a whole. The layout of the proposed site development is presented in Appendix A. The proposed development will comprise the entire footprint of old

Lots 7 through 11 of the Site. Development of Site B will not include excavation or the construction of any structures/buildings. Site B would be paved, potentially for hotel parking.

The proposed development of Site A would include a subgrade level on Tax Lots 7, 8, 9 and a portion of Lot 10. The subgrade level will encompass approximately 8,500 square feet of space, including meeting rooms, fitness room, laundry room, break room, locker room, compactor room, storage room and mechanical rooms. The first floor will comprise approximately 3,000 square feet of hotel lobby space (approximately 50% over Lot 10 and 50% over Lot 11), including offices, seating areas, the registration desk, an elevator, and two stairwells. Approximately 70% of the eastern portion of this lobby will be constructed on a slab-on-grade (no subgrade level). The remainder of the first floor will encompass approximately 15,000 square feet of parking areas that will be open to the exterior. The overhanging second through fourth floors will comprise the hotel guest rooms. The proposed development of Site B is paved at grade parking.

Summary of Past Uses of Site and Areas of Concern

AKRF's 2009 Phase I ESA indicated that the Sites were occupied by a Drain Pipes and Fireproof Materials company and was developed with several structures including a store house and stable in 1891. After 1891, Lots 6, 7, 8, 9 and 10 were either vacant or occupied by residential dwellings and Lot 5 was either vacant or occupied by manufacturing facilities. In 1951, Site A contained five dwellings (Lots 6 through 10), and a calcimine bagging manufacturing facility (Lot 5). By 1978, the Property contained two dwellings on Lots 7 and 8 and Lots 5 (Site B), 6, 9 and 10 were vacant. The dwellings on Lots 7 and 8 were vacant on the 1989 Sanborn fire insurance map. A gasoline station was located east and adjacent to Site A on Lot 11, as shown on the 1951 through 1989 Sanborn maps. AOCs identified in AKRF's 2009 Phase I ESA included the following:

1. Historic manufacturing operations (including a calcimine bagging facility on Lot 5).
2. Potential former on-site solvent storage.

3. East-adjacent former gasoline station (Lot 11) with associated documented subsurface contamination.

4. Buried basements and/or urban fill of an unknown origin beneath the Site.

Summary of the Work Performed under the Remedial Investigation

1. AKRF, Inc. (AKRF) performed the following scope of work:Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);

2. Installed 15 soil borings across the entire project Site, and collected 15 soil samples for chemical analysis from the soil borings to evaluate soil quality;

3. Installed five groundwater monitoring wells from temporary well points installed in their respective soil borings throughout the Site and collected five groundwater samples for chemical analysis to evaluate groundwater quality;

4. Installed three soil vapor probes at the Site and collected three samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from approximately 8.5 to 10 feet above the Bronx Topographical Bureau datum.

2. Depth to groundwater ranges from seven to ten feet at the Site.

3. Groundwater flow is generally from northeast to south-southwest beneath the Site.

4. Depth to bedrock is approximately 65 to 80 feet below grade at the Site.

5. The stratigraphy of the site, from the surface down, consists of urban fill (brick, ash, coal slag, concrete and glass) from the ground surface to approximately eight feet below grade. The urban fill layer is underlain by brown fine sand and silt.

6. Soil/fill samples collected during the RI for Site A and Site B generally did not exceed 6NYCRR Track 2 Restricted Commercial SCOs, with the exception of several SVOCs in several samples and one metal (barium). Soil from Site B did not exceed Track 2 Restricted Commercial SCOs. The findings are consistent with, and attributable to, the

presence of historical fill and constitute light to moderate overall impact to onsite soil/fill. No VOCs, pesticides or PCBs exceeded Track 2 Restricted Commercial SCOs. Possible degraded petroleum was identified by specialized testing in one sample on Site A but a groundwater sample at the boring location did not indicate VOCs or SVOCs above Class GA standards.

7. Samples collected during the RI showed no detections of PCBs or pesticides in groundwater. VOCs did not exceed Class GA standards in any groundwater samples. Dissolved metals in groundwater generally were below applicable Class GA standards with the exception of lead, sodium, magnesium, manganese, and iron. High concentrations observed for some of these parameters are attributable to saline intrusion or to road-salting. Unfiltered samples have generally higher concentrations of trace metals and may indicate influence of historic fill materials in turbidity in these samples. Two SVOCs exceeded Class GA groundwater standards in one groundwater sample on Site A.

8. Soil vapor samples collected during the RI found VOCs detected at generally low concentrations (below 5-10 ug/m^3) for a variety of compounds including BTEX and associated compounds. Concentrations greater than the corresponding indoor air background ranges were observed for: 1,3-butadiene, carbon disulfide, freon-114, tetrachloroethylene and trichlorofluoromethane. The detected tetrachloroethylene concentrations were below the NYSDOH Air Guideline Value (AGV) of 100 micrograms per cubic meter (µg/m^3). Tetrachloroethylene and most other compounds identified in soil vapor were not observed in soil or groundwater during this investigation and are attributed to off-site sources, including the off-site spill on adjacent Lot 11.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Jiten LLC has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate two properties located at 2477 Third Avenue in the Mott Haven section of the Bronx, New York (the Sites). The Sites currently comprise Tax Block 2320, Lots 5 and a portion of Lot 11. However, the Sites was formerly defined as Lots 5, 7, 8, 9 and 10; Tax Lots 7, 8, 9, 10 and 11 were merged into one lot (Lot 11) by the owner during site development permitting and planning in 2009. This RIR will describe the property using the old lot numbers, since old Lot 11 has been entered into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) and the investigation and remediation of old Lot 11 is being addressed in a separate cleanup program. Commercial use is proposed for the property.

The RI work was performed in two stages. A limited Subsurface (Phase II) Investigation was conducted by AKRF, Inc. (AKRF) at the property in January 2009 to ascertain subsurface conditions in an effort to enter the Sites into the NYSDEC BCP; however, the Sites were rejected from the NYSDEC BCP. A second investigation was conducted in February 2011 to supplement AKRF's 2009 investigation and satisfy the requirements of the NYC BCP program and E-Designation (E-227) assigned to the Sites.

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).

It should be noted that Tax Lot 6 is not owned by the applicant and was, therefore, not included as part of this remedial investigation. Old tax Lot 11, which is also owned by the applicant, is currently enrolled in the NYSDEC BCP. This RIR does not address old Lot 11, which is being addressed in the RAWP already submitted to the NYSDEC as part of the state BCP.

1.1 SITE LOCATION AND CURRENT USAGE

The Sites are located at 2477 Third Avenue in the Mott Haven section of the Bronx, New York and is currently identified as Block 2320 and a portion of Lot 11 on the New York City Tax Map. Figure 1 shows the Site location. The Sites were formerly described as Lots 5, 7, 8, 9 and 10; however, Tax Lots 7, 8, 9, 10 and 11 were merged by the owner in 2009 during site development permitting and planning. For clarity, this RAWP describes the Site using the old lot numbers. Site A consists of Lots 7, 8, 9, 10 and a portion of Lot 11 and is approximately 11,250 square feet and is currently undeveloped. Site B consists of Lot 5 and is approximately 2,250 square feet and is currently undeveloped. The Sites are located in a commercial and industrial area that is characterized by a variety of warehouse, trucking, auto repair, and manufacturing businesses. The Sites are bound to the northeast by East 136th Street, to the southeast by vacant land (former gasoline station on Lot 11), to the southwest by East 135th Street and the Major Deegan Expressway, and to the northwest by Rider Avenue. A site plan showing the site boundary and old tax lots is provided on Figure 2.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Sites will consist of a four-story hotel and associated parking on Site A (old Lots 7 through 11), and an at grade paved parking lot on Site B (Lot 5). The current zoning designation is MX-13 (mixed use). The proposed use is consistent with existing zoning for the property. The entire two Sites are vacant, therefore, no demolition will be required for construction. Although remedial investigations for old Lot 11 are not addressed in this investigation because that site is enrolled in the NYS BCP, they are discussed here for clarity about the development project as a whole. The layout of the proposed site development is presented in Appendix A. The proposed hotel development on Site A will comprise the entire footprint of old Lots 7 through 11 of the Site. Development of Site B (Lot 5) will not include excavation or the construction of any structures/buildings. Site B would be paved, potentially for hotel parking.

The proposed development on Site A would include a subgrade level on Tax Lots 7, 8, 9 and a portion of Lot 10. The subgrade level will encompass approximately 8,500 square feet of space, including meeting rooms, fitness room, laundry room, break room, locker room,

compactor room, storage room and mechanical rooms. The first floor will comprise approximately 3,000 square feet of hotel lobby space (approximately 50% over Lot 10 and 50% over Lot 11), including offices, seating areas, the registration desk, an elevator, and two stairwells. Approximately 70% of the eastern portion of this lobby will be constructed on a slab-on-grade (no subgrade level). The remainder of the first floor will encompass approximately 15,000 square feet of parking areas that will be open to the exterior. The overhanging second through fourth floors will comprise the hotel guest rooms.

The development at Site A would involve excavation of the entire old Lots 7 through Lot 10 to approximately 12 feet below existing grade for the construction of the subgrade level. The proposed development will also include planting 15 trees along the sidewalks surrounding the hotel property. The trees will be planted in approximately 25-square foot openings in the sidewalk.

The development at Site B would not involve any excavation. Paved parking at grade is proposed.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The Site is located in a commercial and industrial area that is characterized by a variety of warehouse, trucking, auto repair, and manufacturing businesses.

Information provided by the OER's Searchable Property Environmental E-database (SPEED) website did not identify any sensitive receptors within a 250 to 500-foot radius of the Site. The closest school to the site is Public School 154, Jonathan D. Hyatt Elementary School, located over 1,400 feet east. The nearest daycare facility, Winifred Wheeler Daycare Center, is located at 200 Alexander Avenue, approximately 1,100 feet northeast of the Site. A New York City Housing complex (multi-level, elevator-assisted building) is located two blocks east (over 1,000 feet) of the Site. The current zoning designation is MX-13 (mixed use). The Harlem River is located approximately 800 feet west/southwest of the Site.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

AKRF's 2009 Phase I ESA indicated that a portion of the Site was occupied by a Drain Pipes and Fireproof Materials company and was developed with several structures including a store house and stable in 1891. After 1891, Lots 6, 7, 8, 9 and 10 were either vacant or occupied by residential dwellings and Lot 5 was either vacant or occupied by manufacturing facilities. In 1951, the Site contained five dwellings (Lots 6 through 10), and a calcimine bagging manufacturing facility (Lot 5). By 1978, the Property contained two dwellings on Lots 7 and 8 and Lots 5, 6, 9 and 10 were vacant. The dwellings on Lots 7 and 8 were vacant on the 1989 Sanborn map. A gasoline station was located east-adjacent to the Site (Lot 11) as shown on the 1951 through 1989 Sanborn maps.

2.2 PREVIOUS INVESTIGATIONS

AKRF conducted a Phase I Environmental Site Assessment (ESA) of the Site and the adjoining tax lot (Lot 11) in 2009 to update a 2007 Phase I ESA. On-site recognized environmental conditions (RECs) included the following:

- Title information indicated that Lots 5, 7, 8, 9 and 10 were owned by Urban Cleaning Contractors, Inc. from 1987 through 2002. Interviews with knowledgeable personnel indicated that industrial solvents were stored on-site by Urban Cleaning Contractors, Inc. Such uses were reported to have the potential to affect soil and groundwater beneath the site.
- Buildings formerly present on-site contained basements. It was noted that the site had been filled to grade with fill of unknown origin.

Off-site RECs included documented spills and subsurface investigations conducted on the former filling station site on adjacent Lot 11, indicating elevated levels of volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tert-butyl ether (MTBE) and semivolatile organic compounds (SVOCs) in soil and groundwater and the presence of underground storage tanks (USTs) associated with the former gasoline station.

AKRF conducted a subsurface (Phase II) investigation at the site in 2009 that included the advancement of eight soil borings and the collection of soil and groundwater samples for laboratory analysis from Lots 5, 7, 8, 9, and 10. Results of the investigation were included as part of this RI and are discussed in the appropriate sections below.

In addition, as part of the 2009 Phase II Investigation, existing monitoring wells on the former gasoline station property on Tax Lot 11 (east adjacent to the Site) were gauged for potential non-aqueous phase liquid (NAPL). Although no measurable NAPL (floating product) was detected in the wells, petroleum-like odors were noted in two of the wells. A Remedial Investigation (RI) was conducted on Lot 11 in 2010 by AKRF as part of the New York State BCP program. The investigation included a geophysical survey, the advancement of soil borings, installation of deep monitoring wells and the collection of soil, groundwater and soil vapor samples for laboratory analysis. Results of the soil analytical data detected levels of volatile and semivolatile organic compounds (VOCs and SVOCs), metals, and pesticides consistent with the urban fill. However, some of the pesticide detections may be attributable to past on-site landscaping activities. Gasoline-related VOCs were detected in the shallow groundwater in the southern half of Lot 11 and a few gasoline-related compounds were detected at low concentrations in a groundwater sample from a deep well in the southern portion of Lot 11, suggesting that the contamination has migrated downward in the water column or may be from an off-site source.

2.3 AREAS OF CONCERN

Areas of Concern (AOCs) generally include areas where existing or former activities are known or suspected to have resulted in generation, manufacture, refinement, transport, storage, handling, treatment, discharge, release and/or disposal of contaminated media. AOCs identified at the Site in AKRF's 2009 Phase I ESA included the following:

1. Historic manufacturing operations (including a calcimine bagging facility on Lot 5).
2. Potential former on-site solvent storage.

3. East-adjacent former gasoline station (Lot 11) with associated documented subsurface contamination.
4. Buried Structures and/or urban fill of an unknown origin beneath the Site.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Michelle Lapin.

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

Hazardous wastes, contaminated soil with free product or NAPL and/or grossly contaminated materials were not generated during the investigation. All other material will be removed from the Site and managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The RI work was performed in two stages. A limited Subsurface (Phase II) Investigation was conducted by AKRF, Inc. (AKRF) at the Site in January 2009 to ascertain subsurface conditions in an effort to enter the Site into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP); however, the Site was rejected from the NYSDEC BCP. A second investigation was conducted in February 2011 to supplement AKRF's 2009 investigation and satisfy the requirements of the NYC BCP program and E-Designation (E-227) assigned to all tax lots of the Site.

Enrollee performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e., structures, buildings, etc.);
2. Installed 15 soil borings across the entire project Site, and collected 15 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed five temporary well points throughout the Site and collected five groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed three soil vapor probes at the Site and collected three samples for chemical analysis.

4.1 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

A Geoprobe® direct push drill rig was used to advance a total of 15 soil borings at the locations shown on Figure 2. Soil samples were collected using four-foot long, two-inch diameter, macrocore piston rod samplers fitted with acetate liners. The soil borings ranged in depth from 2 to 16 feet below grade. Soil samples were field-screened using a photoionization detector (PID), which measures relative concentrations of volatile organic compounds (VOCs).

At each boring location, boring logs were prepared by AKRF staff to document subsurface conditions including a description of soil/fill types; soil screening results from field visual, olfactory and PID; depth to groundwater; soil characteristics, appearance and mottling; presence

of odor, vapors, soil discoloration; and presence of free and/or residual product. Copies of the boring logs are attached as Appendix B.

Groundwater Monitoring Well Construction

Groundwater samples from temporary well points were collected from five soil borings; no permanent wells were installed. The wells were constructed by extending the boring to approximately five feet below the observed water table (encountered between approximately 7 to 10 feet below grade) and installing well screen and casing through the Geoprobe rods. The wells were constructed of one-inch diameter PVC well materials, with 10 feet of well screen set approximately five feet below the observed water table.

Temporary monitoring well locations are shown on Figure 2.

Survey

All soil boring and monitor well locations were located and measured in the field. According to a survey performed by Montrose Surveying Co., LLP, on Lot 11, the outdoor portions of the site are generally at an elevation of 8.5 to 10 feet above the Bronx Topographical Bureau datum, which is 2.608 feet above mean sea level.

Water Level Measurement

Depth to groundwater was measured in each of the five temporary well PVC casings with a water-level indicator probe and ranged in depth from 7 to 10 feet below grade.

Water level data is included in Table 4.

4.2 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

Sampling performed as part of the field investigation was conducted for all AOCs 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 Fifteen soil samples were collected for chemical analysis during this RI. On January 27, 2009, eight soil borings were advanced at the Sites as part of AKRF's Phase II study. On February 17, 2011, seven additional soil borings were advanced at the Sites in predetermined locations as part of the RIR. Soil borings were advanced using a track-mounted Geoprobe® direct push probe unit. Soil samples were collected using four-foot long, two-inch diameter, macrocore piston rod samplers fitted with acetate liners. The soil borings ranged in depth from 2 to 16 feet below grade. Soil boring logs are provided in Appendix B.

Soil samples were split lengthwise and logged by AKRF field personnel. Logging consisted of: describing the soil according to the modified Burmister Classification System; describing any evidence of contamination (e.g., staining, sheens, odors); and screening the soil for organic vapors using a photoionization detector (PID) in one-foot intervals. Results of soil screening are recorded on the soil boring logs.

One soil sample from each boring was selected for laboratory analysis based on PID response and indications of contamination. Soil samples designated for laboratory analysis were collected using dedicated sampling equipment, placed into laboratory-supplied containers and a chilled cooler, and submitted via courier to a New York State Department of Health (DOH)-certified laboratory. Sampling equipment was decontaminated by using a water and detergent solution between soil boring locations.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 5. Figure 2 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

Five groundwater samples were collected for chemical analysis during this RI. Groundwater sampling of monitor wells was performed using a peristaltic pump to purge the wells and for sampling. Groundwater sample collection data including dates of collection is reported in

Table 4. Temporary well sampling information is included on the boring logs. Figure 2 shows the location of samples collected in this investigation.

Sampling equipment was decontaminated by using a water and detergent solution to clean the pump between well locations. For quality assurance/quality control (QA/QC) purposes, one field blank and one trip blank were sent with the collected soil and groundwater samples for laboratory analysis. Groundwater sample collection data is reported in Table 5. Sampling logs with information on purging and sampling of temporary groundwater monitor wells is included on the soil boring logs in Appendix B. Figure 2 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Three soil vapor probes were installed and three soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 2. Soil gas samples were collected from approximately six feet below grade, which is approximately one to two feet above the water table surface. Samples were collected using one-liter stainless steel SUMMA canisters equipped with a vacuum gauge and flow regulator set to collect a sample over a one-hour sampling period. Soil vapor sample collection data is reported in Table 5. Soil vapor sampling logs are included in Appendix C. 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 Michelle Lapin
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Alpha Woods Hole Laboratories in Westborough, Massachusetts
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6000/7000 series ; • VOCs by EPA Method 8260C; • SVOCs by EPA Method 8270D; • Pesticides by EPA Method 8081B; • PCBs by EPA Method 8082A; Groundwater analytical methods: • TAL Metals by EPA Method 6000/7000 series; • VOCs by EPA Method 8260C; • SVOCs by EPA Method 8270D; • Pesticides by EPA Method 8081B; • PCBs by EPA Method 8082A; Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.
Standards, Criterion and Guidance	Soil samples were compared to NYSDEC Part 375 Remedial Program Soil Cleanup Objectives (SCOs) for Unrestricted and Commercial Use. Groundwater samples were compared to New York State groundwater standards (Ambient Water Quality Standards and Guidance Values). Soil Vapor Samples were compared to NYSDOH Air Guideline Values (AGVs) and to

	background levels of VOCs in indoor air presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 (NYSDOH Vapor Intrusion Guidance Document), including: Upper Fence Limit indoor air values from "Table C-1. NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes," 90th Percentile indoor air values from "Table C-2. EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method," and the 95th Percentile Indoor Air Values from Table C-5, Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor and Personal Air published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

Results of Chemical Analyses

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

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Stratigraphy

Soil beneath the Sites comprises urban fill (brick, ash, coal slag, concrete and glass) from the ground surface to approximately eight feet below grade. The urban fill layer is underlain by brown fine sand and silt. According to geotechnical investigation conducted by D.K. Drilling of Bayside, New York in February 2009 over the entire block (Lots 5 through 11), bedrock on Lots 5 through 10 was encountered at depths ranging from approximately 65 to 80 feet below surface grade.

Hydrogeology

A table of water level data for all monitor wells is included in Table 4. The average depth to groundwater is 8.7 feet below grade (fbg) and the range in depth is 7 to 10 fbg. It was determined by the elevation survey conducted as part of AKRF's August 2010 RI for the NYS BCP on Lot 11 that groundwater flows in a south-southwesterly direction towards the Harlem River, approximately 800 feet west-southwest.

5.2 SOIL CHEMISTRY

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Sites. The analytical results are presented in Tables 1 A through I. A summary table of data for chemical analyses performed on soil samples is included in Table 6.

Results of the soil sample analyses for the 2009 Subsurface Investigation, which were performed on samples from 6-10 feet in depth, are as follows (sample locations are Site A unless otherwise noted):

- Volatile organic compounds (VOCs) were detected in two of the eight soil samples analyzed. These samples were collected from directly above the water table. Acetone was detected at concentrations of 0.063 parts per million (ppm) and 0.12 ppm in soil samples SB-1 (8'-9'; Site B) and SB-3 (6'-7'), respectively, exceeding the Track 1 Unrestricted SCO of 0.05 ppm,

but below the Track 2 Commercial SCO of 500 ppm. No other VOCs were detected above their respective Commercial or Unrestricted SCO's.

- Semivolatile organic compounds (SVOCs) were detected in five of the eight soil samples analyzed, with some polycyclic aromatic hydrocarbons (PAHs) at concentrations above the NYSDEC 6 NYCRR Part 375 SCOs for Track 1 Unrestricted and Track 2 Restricted Commercial use. Six SVOCs [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and dibenzo(a,h)anthracene] were detected in sample SB-4 (7'-8') at concentrations above their respective Track 1 Unrestricted SCOs; four of these compounds were also above the Track 2 Commercial SCOs. Chrysene was detected in soil sample SB-1 (8'-9'; Site B) in exceedance of the Track 1 Unrestricted SCO, but below the Track 2 Commercial SCO. Sample SB-1 (8'-9'; Site B) was diluted in the laboratory by a factor of 10 due to elevated non-target compounds in the sample; therefore, other target and/or non-target SVOCs are present in the sample below the elevated detection limits.
- Metals were detected at concentrations above their respective Part 375 Track 1 Unrestricted SCOs and NYSDEC Technical and Administrative Guidance Memorandum No. 4046 (TAGM) Eastern United States background levels. Metals exceeding either the Track 1 Unrestricted SCOs or the background levels included barium, cadmium, calcium, copper, lead, magnesium, mercury, nickel, and zinc. Only one metal (barium) in one sample exceeded Track 2 Commercial SCOs.
- No PCBs were detected in any of the soil samples analyzed.
- Pesticides were detected in two soil samples at concentrations above Track 1 Unrestricted SCOs but below their Track 2 Restricted Commercial SCOs.
- Over 40 unknown compounds were detected in soil samples SB-1 (8'-9'; Site B), SB-4 (7'-8'), SB-5 (9'-10') and SB-6 (9'-10') in analysis for Tentatively Identified Compounds (TICs).
- Analysis of soil sample SB-6 (9'-10') by EPA Method 8015 using a gas chromatograph equipped with a flame ionization detector (GC/FID) indicated that the sample contained a petroleum similar to No. 2 fuel oil or diesel at a concentration of 5,000 parts per million (ppm). The pattern of hydrocarbons suggests that this material has degraded with age.

Corresponding groundwater sample from this location did not indicate VOCs or SVOCs above Class GA standards.

The concentrations of most compounds and metals detected in the 2009 investigation are likely caused by, and are attributed to, urban fill. Fill materials (brick, ash, coal slag, concrete and glass) were noted in the soil boring logs from the ground surface to approximately eight feet below grade. Some petroleum-related compounds were detected in soil at low concentrations; however the detected levels appear consistent with area soil /urban fill conditions and not a release or spill. Soil analytical results of the 2011 Supplemental Investigation focused mainly on shallow soil samples and found the following (sample locations are Site A unless otherwise noted):

- No VOCs were detected at concentrations above the NYSDEC 6 NYCRR Part 375 SCOs for Track 1 Unrestricted or Track 2 Restricted Commercial use in any of the shallow soil samples analyzed.
- SVOCs were detected in six of the seven surface soil samples analyzed [no SVOCs were reported above laboratory detection limits in SB-15(0-2)], with some polycyclic aromatic hydrocarbons (PAHs) at concentrations above the SCOs for Unrestricted or Commercial use. Six of the seven soil samples contained one or more of the following PAH compounds that exceeded the Unrestricted SCOs: [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene]; three of these compounds [benzo(a)anthracene, benzo(a)pyrene and dibenzo(a,h)anthracene] were also reported at concentrations above the Track 2 Commercial SCOs. The individual concentrations of these compounds ranged from undetected (ND) to 7.1 ppm. The PAH portions of the SVOC samples were reanalyzed by EPA Method 8270-SIM to attain detection limits below the SCOs. Based on the levels and distribution detected, the SVOCs are attributable to urban fill and not to a release or spill.
- Metals were detected in all of the seven shallow soil samples analyzed. Barium, cadmium, copper, lead, manganese, mercury, nickel, silver and zinc were detected in one or more samples at concentrations exceeding the SCOs for Track 1 Unrestricted use. Only barium exceeded the SCO for Track 2 Restricted Commercial use.

- PCBs were detected in three of the seven soil samples analyzed [no PCBs were reported above laboratory detection limits in SB-9 (0-2), SB-12 (0-2; Site B), SB-14 (0-2), and SB-15 (0-2)]. Specifically, Aroclor 1260 was detected in SB-10 (0-2) at 0.19 ppm, and aroclor 1242 was detected in SB-9 (0-2) at 0.62 ppm, both above the Unrestricted SCO of 0.1 ppm. None of these PCBs were detected above the Track 2 Restricted Commercial use SCOs in the shallow soil samples.
- Pesticide compounds were detected in five of the seven soil samples analyzed. Specifically, 4,4-DDD and 4,4-DDE were detected in sample SB-14(0-2) at concentrations of 0.0702 ppm and 0.0482 ppm, respectively, above their corresponding SCO of 0.0033 ppm; 4,4-DDT was detected in samples B-10 (0-2), SB-11 (0-2), SB-12 (0-2; Site B), and SB-14 (0-2) at concentrations of 0.0476 ppm, 0.0852 ppm, 0.0543 ppm, 0.0347 ppm, and 0.31, respectively, exceeding the corresponding Track 1 Unrestricted Use SCO of 0.0033 ppm; chlordane was detected in SB-11 (0-2) at 0.189 ppm, above the Track 1 Unrestricted SCO of 0.094 ppm and dieldrin was detected at concentrations of 0.0526 ppm, and 0.0497 mg/kg in samples SB-11 (0-2) and SB-14 (0-2), respectively, exceeding the SCO of 0.005 ppm. No pesticide compounds were detected above the Track 2 Commercial use SCOs in the shallow soil samples. Pesticides were not observed in groundwater samples indicating that any pesticides in onsite soil are not mobilized to groundwater. No staining, odors or elevated PID readings were detected on the surficial soil.

Overall, soil/fill samples collected during the RI for Site A and Site B generally did not exceed 6NYCRR Track 2 restricted commercial SCOs, with the exception of several SVOCs in several samples and one trace metal (barium). These findings are consistent with, and attributable to, the presence of historical fill and constitute light to moderate overall impact. No VOCs, pesticides or PCBs exceeded Track 2 Restricted Commercial SCOs. No grossly contaminated soil or NAPL was noted on either site.

5.3 GROUNDWATER CHEMISTRY

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Sites. A summary table of data for chemical analyses performed on groundwater samples is included in Table 6. The analytical results are provide in Tables 2 A

through C with exceedences of applicable groundwater standards shown. All samples locations are from Site A unless otherwise noted.

Five groundwater samples, MW-1 (Site B), MW-2 (Site B), MW-3, MW-6 and MW-8, were collected for laboratory analysis from temporary well points installed in soil borings SB-1, SB-2, SB-3, SB-6 and SB-8, respectively. VOCs were detected in three of the five groundwater samples analyzed (MW-1 (Site B), MW-2 (Site B) and MW-6). All of the detected compounds were at concentrations below their respective Class GA standards. SVOCs were detected in four of the five groundwater samples (MW-1 (Site B), MW-3, MW-6, and MW-8). Benzo(a)anthracene and benzo(k)fluoranthene were detected in MW-1 (Site B) at concentrations of 0.27 ppb and 0.28 ppb, respectively, two orders of magnitude above the Class GA standard of 0.002 for both compounds. The remaining SVOCs detected were at concentrations below the respective standards. Sixteen metals were detected in the groundwater samples in the unfiltered (total) analysis. The total metals exceeding the Class GA standards included arsenic, barium, chromium, copper, iron, lead, magnesium, manganese, mercury, nickel, sodium and zinc. The filtered (dissolved) metals analysis, conducted on samples MW-1(Site B), MW-2 and MW-6, indicated that barium, copper, iron, magnesium, manganese, and sodium were at concentrations that exceeded their respective Class GA standards. No PCBs or pesticides were detected in the groundwater samples.

Overall, groundwater samples collected during the RI showed no detections of PCBs or pesticides in groundwater. VOCs did not exceed Class GA standards in any groundwater samples. Dissolved metals in groundwater generally were below applicable Class GA standards with the exception of lead, sodium, magnesium, manganese, and iron. High concentrations observed for some of these parameters are attributable to saline intrusion or to road-salting. Unfiltered samples have generally higher concentrations of trace metals and indicate influence historic fill materials in turbidity in these samples. Two SVOCs exceeded Class GA groundwater standards in one groundwater sample. These compounds, which are common in historical fill and were identified onsite, are high molecular weight PAH compounds with very low solubility. Their occurrence in this sample may be attributable to the influence of turbidity in the unfiltered groundwater sample. To investigate the potential impact of the TICs detected in the soil samples, the laboratory performed a comparison of the VOC and SVOC TICs associated

with soil and aqueous samples analyzed. The comparison revealed that groundwater samples had little to no VOC TICs identified. Furthermore, SVOC TICs found in the soil samples analyzed were not present in the aqueous samples analyzed.

5.4 SOIL VAPOR CHEMISTRY

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 5. Figure 2 shows the location of the soil vapor samples. Analytical results for VOCs in soil vapor are summarized in Table 3.

A review of the soil vapor sample analytical results indicates that 16 of the 64 VOCs analyzed utilizing EPA Method TO-15 were detected in one or more of the three samples analyzed. The VOCs detected included: 1,3-butadiene, 4-methyl-2-pentanone, acetone, benzene, dichlorodifluoromethane, freon-114, heptane, n-hexane, carbon disulfide, tetrachloroethene (PCE), trichlorofluoromethane, o-xylene, and m/p-xylenes, mainly at concentrations below the anticipated background levels or the AGV. Soil vapor samples collected during the RI found VOCs detected at generally low concentrations (below 5-10 ug/m^3) for a variety of compounds including BTEX and associated compounds. Concentrations greater than the corresponding indoor air background ranges were observed for: 1,3-butadiene, carbon disulfide, freon-114, tetrachloroethylene and trichlorofluoromethane. The detected tetrachloroethylene concentrations (67.4 µg/m^3, 56.0 µg/m^3 and 53.4 µg/m^3 in samples SG-1, SG-2 and SG-3, respectively) were below the NYSDOH Air Guideline Value (AGV) of 100 micrograms per cubic meter (µg/m^3). Tetrachloroethylene and most other compounds identified in soil vapor were not observed in soil or groundwater during this investigation and are attributed to off-site sources, including the off-site spill on adjacent Lot 11.

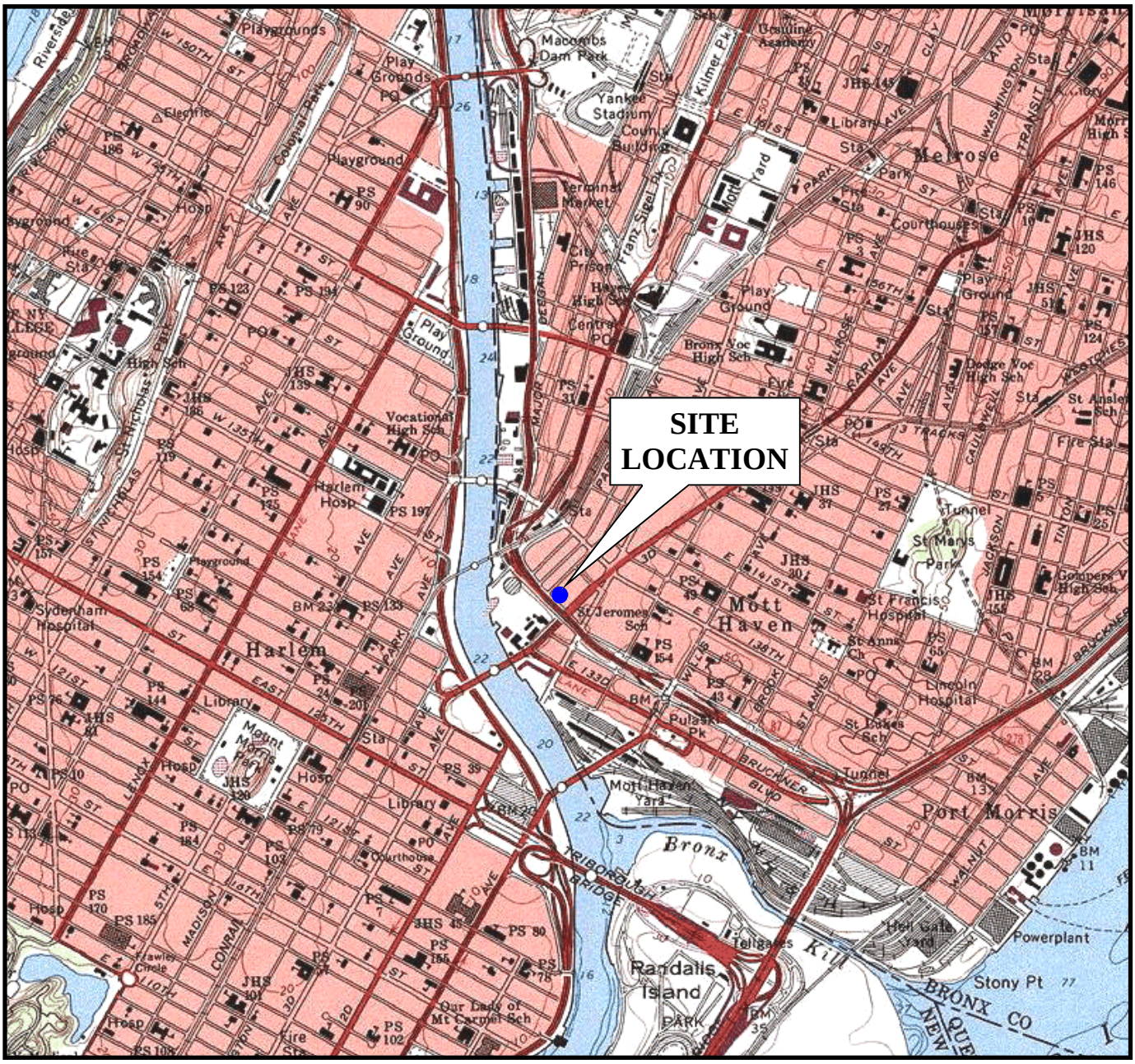
5.5 PRIOR ACTIVITY

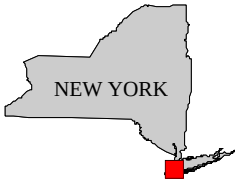
Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 IMPEDIMENTS TO REMEDIAL ACTION

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

FIGURES





SCALE IN FEET

0’ 1000’ 2000’ 4000’

SCALE: 1”=2000’

N

SOURCE:

7.5 MINUTE SERIES USGS TOPOGRAPHIC MAP
QUADRANGLE: CENTRAL PARK, NY 1995

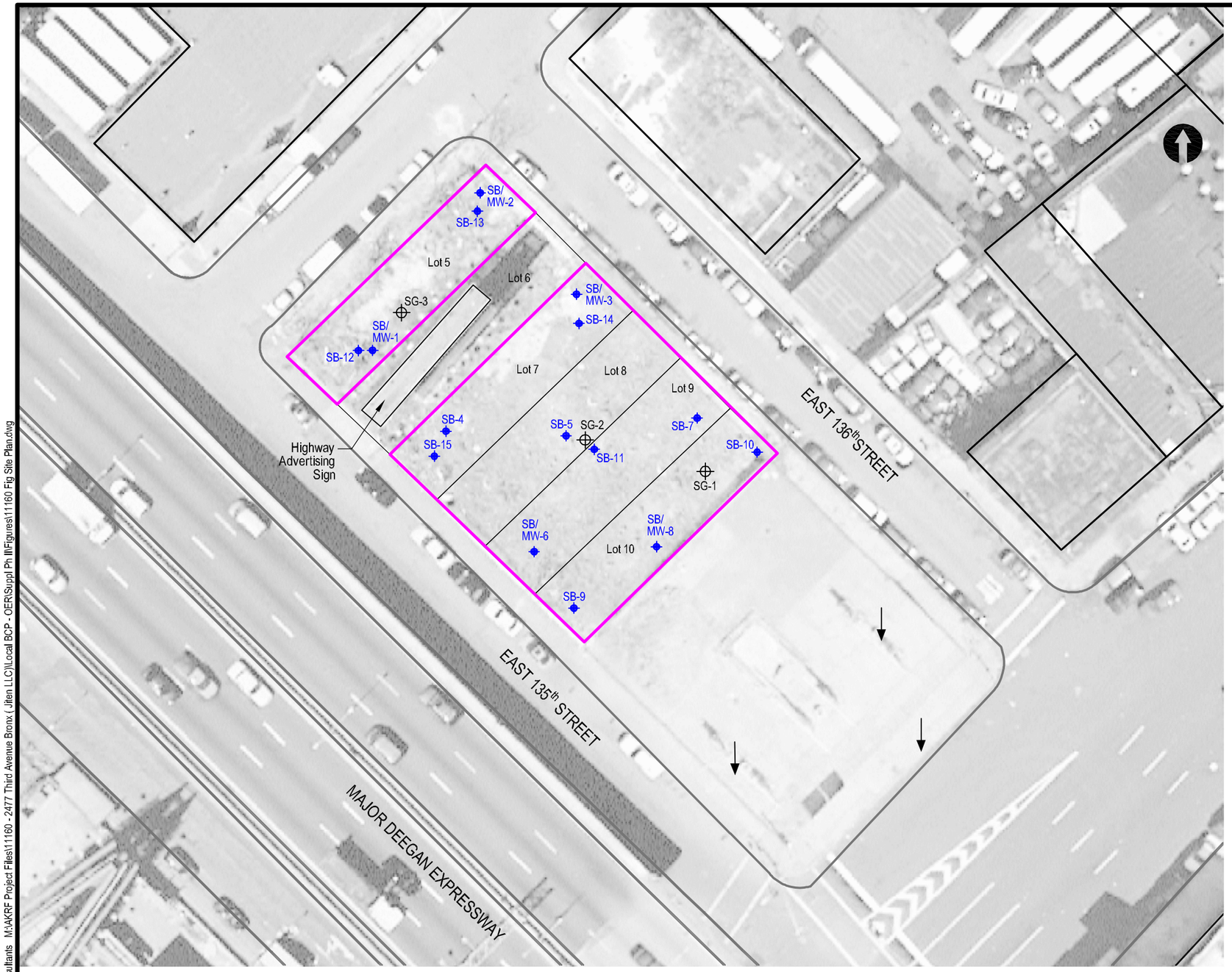
2477 THIRD AVENUE
BRONX, NEW YORK

PROJECT SITE LOCATION

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

DATE	7.28.10
PROJECT No.	11160
SCALE	AS SHOWN
FIGURE	1

© 2007 AKRF, Inc. Environmental Consultants M:\AKRF Project Files\11160 - 2477 Third Avenue Bronx (Jiten LLC)\OER Submittals\RAP & CHASP\Figures\11160 Fig 1 3rd ave Loc Map.pub



LEGEND:

- PROJECT SITE BOUNDARY
- FORMER LOT LINE LOCATION
- SG-1 SOIL GAS SAMPLING LOCATION
- SB-1 SOIL BORING SAMPLING LOCATION
- SB/MW-6 SOIL BORING AND TEMPORARY WELL POINT
- GROUNDWATER FLOW DIRECTION

0' 20' 40' 80'
SCALE IN FEET

AKRF
Environmental Consultants
440 Park Avenue South, New York, NY 10016

2477 THIRD AVENUE
BRONX, NEW YORK

SITE PLAN

DATE
3.14.11

PROJECT NO.
11160

SCALE
as shown

FIGURE
2

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TABLE 1

Summary of Soil Analytical Data

See attached tables 1A through 1I.

Tables 1-3
2477 Third Avenue
Bronx, New York
Remedial Investigation Analytical Results
Notes

GENERAL

NS : No soil cleanup objective listed.

NA : No analyzed.

U : The analyte was not detected at the indicated concentration.

Exceedences are highlighted in bold font.

SOIL

Part 375 Soil Cleanup Objectives : Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Park 375).

Eastern USA Background : For heavy metals, Eastern US Soil Background values may be used as soil cleanup objectives.

mg/kg : milligrams per kilogram = parts per million (ppm)

µg/kg : micrograms per kilogram = parts per billion

SOIL VAPOR

µg/m^3 : micrograms per cubic meter of air

NYSDOH 2003 Soil Vapor Indoor Upper Fence : Upper fence indoor air values from "Table C1. NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes", published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

EPA 2001 BASE 90th percentile : 90th Percentile indoor air values from "Table C-2. EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method", published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

NYSDOH Soil Vapor Intrusion Air Guidance Value : NYSDOH Air Guideline Values (AGVs) presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document").

GROUNDWATER

NYSDEC Class GA Ambient Standards : NYSDEC Class GA Ambient Standard = New York State Department of Environmental Conservation Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.

µg/L : micrograms per Liter = parts per billion (ppb)

mg/L : milligrams per Liter = parts per million (ppm)

Table 1A
2477 Third Ave.
Bronx, NY
2009 Subsurface (Phase II) Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted mg/kg	NYSDEC Part 375 Commercial mg/kg	SB-1 (8'-9') L0901109-01 1/27/2009 1	SB-2 (6'-7') L0901109-02 1/27/2009 1	SB-3 (6'-7') L0901109-04 1/27/2009 1	SB-4 (7'-8') L0901109-05 1/27/2009 1	SB-5 (9'-10') L0901109-06 1/27/2009 400	SB-6 (9'-10') L0901109-03 1/27/2009 400	SB-7 (6'-7') L0901109-07 1/27/2009 1	SB-8 (8'-9') L0901109-08 1/27/2009 1
1,1,1,2-Tetrachloroethane	NS	NS	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
1,1,1-Trichloroethane	0.68	500	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
1,1,2,2-Tetrachloroethane	NS	NS	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
1,1,2-Trichloroethane	NS	NS	0.0046 U	0.0043 U	0.0046 U	0.0045 U	1.8 U	1.9 U	0.0045 U	0.0045 U
1,1-Dichloroethane	0.27	240	0.0046 U	0.0043 U	0.0046 U	0.0045 U	1.8 U	1.9 U	0.0045 U	0.0045 U
1,1-Dichloroethene	0.33	500	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
1,1-Dichloropropene	NS	NS	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
1,2,3-Trichlorobenzene	NS	NS	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
1,2,3-Trichloropropane	NS	NS	0.03 U	0.029 U	0.031 U	0.03 U	12 U	12 U	0.03 U	0.03 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.012 U	0.011 U	0.012 U	0.012 U	9.3	5.1	0.012 U	0.012 U
1,2,4-Trichlorobenzene	NS	NS	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
1,2,4-Trimethylbenzene	3.6	190	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
1,2-Dibromo-3-chloropropane	NS	NS	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
1,2-Dibromoethane	NS	NS	0.012 U	0.011 U	0.012 U	0.012 U	4.9 U	5 U	0.012 U	0.012 U
1,2-Dichlorobenzene	1.1	500	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
1,2-Dichloroethane	0.02	30	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
1,2-Dichloropropane	NS	NS	0.011 U	0.01 U	0.011 U	0.01 U	4.3 U	4.4 U	0.01 U	0.01 U
1,3,5-Trimethylbenzene	8.4	190	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
1,3-Dichlorobenzene	2.4	280	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
1,3-Dichloropropane	NS	NS	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
1,4-Dichlorobenzene	1.8	130	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
1,4-Diethylbenzene	NS	NS	0.012 U	0.011 U	0.012 U	0.012 U	4.9 U	5 U	0.012 U	0.012 U
2,2-Dichloropropane	NS	NS	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
2-Butanone	0.12	500	0.03 U	0.029 U	0.031 U	0.03 U	12 U	12 U	0.03 U	0.03 U
2-Hexanone	NS	NS	0.03 U	0.029 U	0.031 U	0.03 U	12 U	12 U	0.03 U	0.03 U
4-Ethyltoluene	NS	NS	0.012 U	0.011 U	0.012 U	0.012 U	4.9 U	5 U	0.012 U	0.012 U
4-Methyl-2-pentanone	NS	NS	0.03 U	0.029 U	0.031 U	0.03 U	12 U	12 U	0.03 U	0.03 U
Acetone	0.05	500	**0.063**	0.029 U	**0.12**	0.03 U	12 U	12 U	0.03 U	0.03 U
Acrylonitrile	NS	NS	0.03 U	0.029 U	0.031 U	0.03 U	12 U	12 U	0.03 U	0.03 U
Benzene	0.06	44	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
Bromobenzene	NS	NS	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
Bromochloromethane	NS	NS	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
Bromodichloromethane	NS	NS	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
Bromoform	NS	NS	0.012 U	0.011 U	0.012 U	0.012 U	4.9 U	5 U	0.012 U	0.012 U
Bromomethane	NS	NS	0.0061 U	0.0057 U	0.0062 U	0.006 U	2.5 U	2.5 U	0.006 U	0.006 U
Carbon disulfide	NS	NS	0.03 U	0.029 U	0.031 U	0.03 U	12 U	12 U	0.03 U	0.03 U
Carbon tetrachloride	0.76	22	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
Chlorobenzene	1.1	500	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
Chloroethane	NS	NS	0.0061 U	0.0057 U	0.0062 U	0.006 U	2.5 U	2.5 U	0.006 U	0.006 U
Chloroform	0.37	350	0.0046 U	0.0043 U	0.0046 U	0.0045 U	1.8 U	1.9 U	0.0045 U	0.0045 U
Chloromethane	NS	NS	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
cis-1,2-Dichloroethene	0.25	500	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
cis-1,3-Dichloropropene	NS	NS	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
Dibromochloromethane	NS	NS	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
Dibromomethane	NS	NS	0.03 U	0.029 U	0.031 U	0.03 U	12 U	12 U	0.03 U	0.03 U
Dichlorodifluoromethane	NS	NS	0.03 U	0.029 U	0.031 U	0.03 U	12 U	12 U	0.03 U	0.03 U
Ethylbenzene	1	390	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
Hexachlorobutadiene	NS	NS	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
Isopropylbenzene	NS	NS	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
Methyl tert butyl ether	0.93	500	0.0061 U	0.0057 U	0.0062 U	0.006 U	2.5 U	2.5 U	0.006 U	0.006 U
Methylene chloride	0.05	500	0.03 U	0.029 U	0.031 U	0.03 U	12 U	12 U	0.03 U	0.03 U
Naphthalene	12	500	0.22	0.014 U	0.015 U	0.017	6.2 U	6.2 U	0.015 U	0.015 U
n-Butylbenzene	12	500	0.003 U	0.0029 U	0.0031 U	0.003 U	2.1	1.2 U	0.003 U	0.003 U
n-Propylbenzene	3.9	500	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
o-Chlorotoluene	NS	NS	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
o-Xylene	0.26	500	0.0061 U	0.0057 U	0.0062 U	0.006 U	2.5 U	2.5 U	0.006 U	0.006 U
p/m-Xylene	0.26	500	0.0061 U	0.0057 U	0.0062 U	0.006 U	2.5 U	2.5 U	0.006 U	0.006 U
p-Chlorotoluene	NS	NS	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
p-Isopropyltoluene	NS	NS	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
sec-Butylbenzene	11	500	0.003 U	0.0029 U	0.0031 U	0.003 U	2	1.2 U	0.003 U	0.003 U
Styrene	NS	NS	0.0061 U	0.0057 U	0.0062 U	0.006 U	2.5 U	2.5 U	0.006 U	0.006 U
tert-Butylbenzene	5.9	500	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
Tetrachloroethene	1.3	150	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
Toluene	0.7	500	0.0046 U	0.0043 U	0.0046 U	0.0045 U	1.8 U	1.9 U	0.0045 U	0.0045 U
trans-1,2-Dichloroethene	0.19	500	0.0046 U	0.0043 U	0.0046 U	0.0045 U	1.8 U	1.9 U	0.0045 U	0.0045 U
trans-1,3-Dichloropropene	NS	NS	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
Trichloroethene	0.47	200	0.003 U	0.0029 U	0.0031 U	0.003 U	1.2 U	1.2 U	0.003 U	0.003 U
Trichlorofluoromethane	NS	NS	0.015 U	0.014 U	0.015 U	0.015 U	6.2 U	6.2 U	0.015 U	0.015 U
Vinyl acetate	NS	NS	0.03 U	0.029 U	0.031 U	0.03 U	12 U	12 U	0.03 U	0.03 U
Vinyl chloride	0.02	13	0.0061 U	0.0057 U	0.0062 U	0.006 U	2.5 U	2.5 U	0.006 U	0.006 U

Table 1B
2477 Third Avenue
Bronx, New York
2011 Remedial Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution Analyte	NYSDEC Part 375 Unrestricted mg/Kg	NYSDEC Part 375 Commercial mg/Kg	SB-9(0-2) L1102299-01 17-FEB-11 1	SB-10(0-2) L1102299-02 17-FEB-11 1	SB-11(0-2) L1102299-03 17-FEB-11 1	SB-12(0-2) L1102299-04 17-FEB-11 1	SB-13(0-2) L1102299-05 17-FEB-11 1	SB-14(0-2) L1102299-06 17-FEB-11 1	SB-15(0-2) L1102299-07 17-FEB-11 1
1,1,1,2-Tetrachloroethane	NS	NS	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
1,1,1-Trichloroethane	0.68	500	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
1,1,2-Trichloroethane	NS	NS	0.0044 U	0.0045 U	0.0044 U	0.0044 U	0.0043 U	0.0045 U	0.0041 U
1,1-Dichloroethane	0.27	240	0.0044 U	0.0045 U	0.0044 U	0.0044 U	0.0043 U	0.0045 U	0.0041 U
1,1-Dichloroethene	0.33	500	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
1,1-Dichloropropene	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
1,2,3-Trichlorobenzene	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
1,2,3-Trichloropropane	NS	NS	0.029 U	0.03 U	0.029 U	0.029 U	0.029 U	0.03 U	0.027 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.012 U	0.012 U	0.012 U	0.012 U	0.011 U	0.012 U	0.011 U
1,2,4-Trichlorobenzene	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
1,2,4-Trimethylbenzene	3.6	190	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
1,2-Dibromo-3-chloropropane	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
1,2-Dibromoethane	NS	NS	0.012 U	0.012 U	0.012 U	0.012 U	0.011 U	0.012 U	0.011 U
1,2-Dichlorobenzene	1.1	500	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
1,2-Dichloroethane	0.02	30	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
1,2-Dichloropropane	NS	NS	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0095 U
1,3,5-Trimethylbenzene	8.4	190	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
1,3-Dichlorobenzene	2.4	280	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
1,3-Dichloropropane	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
1,4-Dichlorobenzene	1.8	130	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
1,4-Diethylbenzene	NS	NS	0.012 U	0.012 U	0.012 U	0.012 U	0.011 U	0.012 U	0.011 U
2,2-Dichloropropane	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
2-Butanone	0.12	500	0.029 U	0.03 U	0.029 U	0.029 U	0.029 U	0.03 U	0.027 U
2-Hexanone	NS	NS	0.029 U	0.03 U	0.029 U	0.029 U	0.029 U	0.03 U	0.027 U
4-Ethyltoluene	NS	NS	0.012 U	0.012 U	0.012 U	0.012 U	0.011 U	0.012 U	0.011 U
4-Methyl-2-pentanone	NS	NS	0.029 U	0.03 U	0.029 U	0.029 U	0.029 U	0.03 U	0.027 U
Acetone	0.05	500	0.029 U	0.03 U	0.029 U	0.029 U	0.029 U	0.03 U	0.027 U
Acrylonitrile	NS	NS	0.029 U	0.03 U	0.029 U	0.029 U	0.029 U	0.03 U	0.027 U
Benzene	0.06	44	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
Bromobenzene	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
Bromochloromethane	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
Bromodichloromethane	NS	NS	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
Bromoform	NS	NS	0.012 U	0.012 U	0.012 U	0.012 U	0.011 U	0.012 U	0.011 U
Bromomethane	NS	NS	0.0059 U	0.006 U	0.0059 U	0.0058 U	0.0057 U	0.006 U	0.0054 U
Carbon disulfide	NS	NS	0.029 U	0.03 U	0.029 U	0.029 U	0.029 U	0.03 U	0.027 U
Carbon tetrachloride	0.76	22	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
Chlorobenzene	1.1	500	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
Chloroethane	NS	NS	0.0059 U	0.006 U	0.0059 U	0.0058 U	0.0057 U	0.006 U	0.0054 U
Chloroform	0.37	350	0.0044 U	0.0045 U	0.0044 U	0.0044 U	0.0043 U	0.0045 U	0.0041 U
Chloromethane	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
cis-1,2-Dichloroethene	0.25	500	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
cis-1,3-Dichloropropene	NS	NS	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
Dibromochloromethane	NS	NS	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
Dibromomethane	NS	NS	0.029 U	0.03 U	0.029 U	0.029 U	0.029 U	0.03 U	0.027 U
Dichlorodifluoromethane	NS	NS	0.029 U	0.03 U	0.029 U	0.029 U	0.029 U	0.03 U	0.027 U
Ethyl ether	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
Ethylbenzene	1	390	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
Hexachlorobutadiene	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
Isopropylbenzene	NS	NS	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
Methyl tert butyl ether	0.93	500	0.0059 U	0.006 U	0.0059 U	0.0058 U	0.0057 U	0.006 U	0.0054 U
Methylene chloride	0.05	500	0.029 U	0.03 U	0.029 U	0.029 U	0.029 U	0.03 U	0.027 U
Naphthalene	12	500	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
n-Butylbenzene	12	500	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
n-Propylbenzene	3.9	500	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
o-Chlorotoluene	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
o-Xylene	0.26	500	0.0059 U	0.006 U	0.0059 U	0.0058 U	0.0057 U	0.006 U	0.0054 U
p/m-Xylene	0.26	500	0.0059 U	0.006 U	0.0059 U	0.0058 U	0.0057 U	0.006 U	0.0054 U
p-Chlorotoluene	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
p-Isopropyltoluene	NS	NS	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
sec-Butylbenzene	11	500	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
Styrene	NS	NS	0.0059 U	0.006 U	0.0059 U	0.0058 U	0.0057 U	0.006 U	0.0054 U
tert-Butylbenzene	5.9	500	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
Tetrachloroethene	1.3	150	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
Toluene	0.7	500	0.0044 U	0.0045 U	0.0044 U	0.0044 U	0.0043 U	0.0045 U	0.0041 U
trans-1,2-Dichloroethene	0.19	500	0.0044 U	0.0045 U	0.0044 U	0.0044 U	0.0043 U	0.0045 U	0.0041 U
trans-1,3-Dichloropropene	NS	NS	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
trans-1,4-Dichloro-2-butene	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
Trichloroethene	0.47	200	0.0029 U	0.003 U	0.0029 U	0.0029 U	0.0029 U	0.003 U	0.0027 U
Trichlorofluoromethane	NS	NS	0.015 U	0.015 U	0.015 U	0.014 U	0.014 U	0.015 U	0.014 U
Vinyl acetate	NS	NS	0.029 U	0.03 U	0.029 U	0.029 U	0.029 U	0.03 U	0.027 U
Vinyl chloride	0.02	13	0.0059 U	0.006 U	0.0059 U	0.0058 U	0.0057 U	0.006 U	0.0054 U

Table 1C
2477 Third Ave.
Bronx, NY
2009 Subsurface (Phase II) Investigation Soil Analytical Results
Semi-Volatile Organic Compounds

Client ID	NYSDEC	NYSDEC	SB-1 (8'-9')	SB-2 (6'-7')	SB-3 (6'-7')	SB-4 (7'-8')	SB-5 (9'-10')	SB-6 (9'-10')	SB-7 (6'-7')	SB-8 (8'-9')
Lab Sample ID	Part 375	Part 375	L0901109-01	L0901109-02	L0901109-04	L0901109-05	L0901109-06	L0901109-03	L0901109-07	L0901109-08
Date Sampled	Unrestricted	Commercial	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Dilution		mg/kg	10	1	1	1	1	1	1	1
mg/kg										
1,2,4,5-Tetrachlorobenzene	NS	NS	16 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U
1,2,4-Trichlorobenzene	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
1,2-Dichlorobenzene	1.1	500	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
1,3-Dichlorobenzene	2.4	280	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
1,4-Dichlorobenzene	1.8	130	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
2,4,5-Trichlorophenol	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
2,4,6-Trichlorophenol	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
2,4-Dichlorophenol	NS	NS	8.1 U	0.77 U	0.82 U	0.79 U	0.82 U	0.83 U	0.79 U	0.79 U
2,4-Dimethylphenol	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
2,4-Dinitrophenol	NS	NS	16 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U
2,4-Dinitrotoluene	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
2,6-Dinitrotoluene	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
2-Chloronaphthalene	NS	NS	0.65 U	0.015 U	0.016 U	0.079 U	0.016 U	0.083 U	0.016 U	0.016 U
2-Chlorophenol	NS	NS	4.9 U	0.46 U	0.49 U	0.48 U	0.49 U	0.5 U	0.48 U	0.48 U
2-Methylnaphthalene	NS	NS	0.65 U	0.015 U	0.016 U	0.52	0.016 U	0.083 U	0.016 U	0.016 U
2-Methylphenol	0.33	500	4.9 U	0.46 U	0.49 U	0.48 U	0.49 U	0.5 U	0.48 U	0.48 U
2-Nitroaniline	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
2-Nitrophenol	NS	NS	16 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U
3,3'-Dichlorobenzidine	NS	NS	8.1 U	0.77 U	0.82 U	0.79 U	0.82 U	0.83 U	0.79 U	0.79 U
3-Methylphenol/4-Methylphenol	0.33	500	4.9 U	0.46 U	0.49 U	0.48 U	0.49 U	0.5 U	0.48 U	0.48 U
3-Nitroaniline	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
4,6-Dinitro-o-cresol	NS	NS	16 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U
4-Bromophenyl phenyl ether	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
4-Chloroaniline	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
4-Chlorophenyl phenyl ether	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
4-Nitroaniline	NS	NS	5.7 U	0.54 U	0.58 U	0.56 U	0.58 U	0.58 U	0.56 U	0.56 U
4-Nitrophenol	NS	NS	8.1 U	0.77 U	0.82 U	0.79 U	0.82 U	0.83 U	0.79 U	0.79 U
Acenaphthene	20	500	0.65 U	0.015 U	0.016 U	1.4	0.08	0.4	0.016 U	0.016 U
Acenaphthylene	100	500	0.65 U	0.015 U	0.016 U	0.46	0.016 U	0.083 U	0.016 U	0.016 U
Acetophenone	NS	NS	16 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U
Anthracene	100	500	0.65 U	0.015 U	0.043	3.4	0.016 U	0.083 U	0.016 U	0.016 U
Benzo(a)anthracene	1	5.6	0.65 U	0.015 U	0.17	**7.5**	0.031	0.083 U	0.016 U	0.016 U
Benzo(a)pyrene	1	1	0.65 U	0.015 U	0.37	**5.9**	0.02	0.083 U	0.016 U	0.016 U
Benzo(b)fluoranthene	1	5.6	0.65 U	0.015 U	0.36	**7.4**	0.025	0.083 U	0.016 U	0.016 U
Benzo(ghi)perylene	100	500	0.65 U	0.015 U	0.42	3.6	0.016 U	0.083 U	0.016 U	0.016 U
Benzo(k)fluoranthene	0.8	56	0.65 U	0.015 U	0.1	**2.2**	0.016 U	0.083 U	0.016 U	0.016 U
Benzoic Acid	NS	NS	41 U	3.8 U	4.1 U	4 U	4.1 U	4.2 U	4 U	4 U
Benzyl Alcohol	NS	NS	8.1 U	0.77 U	0.82 U	0.79 U	0.82 U	0.83 U	0.79 U	0.79 U
Biphenyl	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
Bis(2-chloroethoxy)methane	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
Bis(2-chloroethyl)ether	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
Bis(2-chloroisopropyl)ether	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
Bis(2-Ethylhexyl)phthalate	NS	NS	8.1 U	0.77 U	0.82 U	0.79 U	0.82 U	0.83 U	0.79 U	0.79 U
Butyl benzyl phthalate	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
Carbazole	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
Chrysene	1	56	**1.9**	0.015 U	0.22	**9**	0.071	0.083 U	0.016 U	0.016 U
Dibenzo(a,h)anthracene	0.33	0.56	0.65 U	0.015 U	0.12	**0.95**	0.016 U	0.083 U	0.016 U	0.016 U
Dibenzofuran	7	350	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
Diethyl phthalate	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
Dimethyl phthalate	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
Di-n-butylphthalate	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
Di-n-octylphthalate	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
Fluoranthene	100	500	0.65 U	0.015 U	0.27	15	0.04	0.12	0.016 U	0.016 U
Fluorene	30	500	0.65 U	0.015 U	0.016 U	1.4	0.019	0.083 U	0.016 U	0.016 U
Hexachlorobenzene	0.33	6	2.6 U	0.061 U	0.066 U	0.32 U	0.066 U	0.33 U	0.063 U	0.063 U
Hexachlorobutadiene	NS	NS	1.6 U	0.038 U	0.041 U	0.2 U	0.041 U	0.21 U	0.04 U	0.04 U
Hexachlorocyclopentadiene	NS	NS	8.1 U	0.77 U	0.82 U	0.79 U	0.82 U	0.83 U	0.79 U	0.79 U
Hexachloroethane	NS	NS	2.6 U	0.061 U	0.066 U	0.32 U	0.066 U	0.33 U	0.063 U	0.063 U
Indeno(1,2,3-cd)Pyrene	0.5	5.6	0.65 U	0.015 U	0.22	**2.8**	0.016 U	0.083 U	0.016 U	0.016 U
Isophorone	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
Naphthalene	12	500	0.65 U	0.015 U	0.016 U	0.65	0.016 U	0.083 U	0.016 U	0.016 U
Nitrobenzene	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	12 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
n-Nitrosodi-n-propylamine	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
P-Chloro-M-Cresol	NS	NS	4.1 U	0.38 U	0.41 U	0.4 U	0.41 U	0.42 U	0.4 U	0.4 U
Pentachlorophenol	0.8	6.7	2.6 U	0.061 U	0.066 U	0.32 U	0.066 U	0.33 U	0.063 U	0.063 U
Phenanthrene	100	500	0.65 U	0.015 U	0.23	16	0.016 U	0.083 U	0.016 U	0.016 U
Phenol	0.33	500	5.7 U	0.54 U	0.58 U	0.56 U	0.58 U	0.58 U	0.56 U	0.56 U
Pyrene	100	500	0.65 U	0.015 U	0.29	16	0.065	0.3	0.016 U	0.016 U

SVOCs SIM - mg/kg

2-Chloronaphthalene	NS	NS	0.65 U	0.015 U	0.016 U	0.079 U	0.016 U	0.083 U	0.016 U	0.016 U
2-Methylnaphthalene	NS	NS	0.65 U	0.015 U	0.016 U	0.52	0.016 U	0.083 U	0.016 U	0.016 U
Acenaphthene	20	500	0.65 U	0.015 U	0.016 U	1.4	0.08	0.4	0.016 U	0.016 U
Acenaphthylene	100	500	0.65 U	0.015 U	0.016 U	0.46	0.016 U	0.083 U	0.016 U	0.016 U
Anthracene	100	500	0.65 U	0.015 U	0.043	3.4	0.016 U	0.083 U	0.016 U	0.016 U
Benzo(a)anthracene	1	5.6	0.65 U	0.015 U	0.17	**7.5**	0.031	0.083 U	0.016 U	0.016 U
Benzo(a)pyrene	1	1	0.65 U	0.015 U	0.37	**5.9**	0.02	0.083 U	0.016 U	0.016 U
Benzo(b)fluoranthene	1	5.6	0.65 U	0.015 U	0.36	**7.4**	0.025	0.083 U	0.016 U	0.016 U
Benzo(ghi)perylene	100	500	0.65 U	0.015 U	0.42	3.6	0.016 U	0.083 U	0.016 U	0.016 U
Benzo(k)fluoranthene	0.8	56	0.65 U	0.015 U	0.1	**2.2**	0.016 U	0.083 U	0.016 U	0.016 U
Chrysene	1	56	**1.9**	0.015 U	0.22	**9**	0.071	0.083 U	0.016 U	0.016 U
Dibenzo(a,h)anthracene	0.33	0.56	0.65 U	0.015 U	0.12	**0.95**	0.016 U	0.083 U	0.016 U	0.016 U
Fluoranthene	100	500	0.65 U	0.015 U	0.27	15	0.04	0.12	0.016 U	0.016 U
Fluorene	30	500	0.65 U	0.015 U	0.016 U	1.4	0.019	0.083 U	0.016 U	0.016 U
Hexachlorobenzene	0.33	6	2.6 U	0.061 U	0.066 U	0.32 U	0.066 U	0.33 U	0.063 U	0.063 U
Hexachlorobutadiene	NS	NS	1.6 U	0.038 U	0.041 U	0.2 U	0.041 U	0.21 U	0.04 U	0.04 U
Hexachloroethane	NS	NS	2.6 U	0.061 U	0.066 U	0.32 U	0.066 U	0.33 U	0.063 U	0.063 U
Indeno(1,2,3-cd)Pyrene	0.5	5.6	0.65 U	0.015 U	0.22	**2.8**	0.016 U	0.083 U	0.016 U	0.016 U
Naphthalene	12	500	0.65 U	0.015 U	0.016 U	0.65	0.016 U	0.083 U	0.016 U	0.016 U
Pentachlorophenol	0.8	6.7	2.6 U	0.061 U	0.066 U	0.32 U	0.066 U	0.33 U	0.063 U	0.063 U
Phenanthrene	100	500	0.65 U	0.015 U	0.23	16	0.016 U	0.083 U	0.016 U	0.016 U
Pyrene	100	500	**0.65** U	0.015 U	0.29	16	0.065	0.3	0.016 U	0.016 U

Table 1D
2477 Third Avenue
Bronx, New York
2011 Remedial Investigation Soil Analytical Results
Semi-Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution SVOCs - mg/kg	NYSDEC Part 375 Unrestricted mg/kg	NYSDEC Part 375 Commercial mg/kg	SB-9(0-2) L1102299-01 2/17/2011 2	SB-10(0-2) L1102299-02 2/17/2011 5	SB-11(0-2) L1102299-03 2/17/2011 5	SB-12(0-2) L1102299-04 2/17/2011 1	SB-13(0-2) L1102299-05 2/17/2011 5	SB-14(0-2) L1102299-06 2/17/2011 5	SB-15(0-2) L1102299-07 2/17/2011 1
1,2,4,5-Tetrachlorobenzene	NS	NS	1.5 U	4 U	3.9 U	0.77 U	3.8 U	3.8 U	0.71 U
1,2,4-Trichlorobenzene	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
1,2-Dichlorobenzene	1.1	500	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
1,3-Dichlorobenzene	2.4	280	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
1,4-Dichlorobenzene	1.8	130	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
2,4,5-Trichlorophenol	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
2,4,6-Trichlorophenol	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
2,4-Dichlorophenol	NS	NS	0.76 U	2 U	2 U	0.38 U	1.9 U	1.9 U	0.36 U
2,4-Dimethylphenol	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
2,4-Dinitrophenol	NS	NS	1.5 U	4 U	3.9 U	0.77 U	3.8 U	3.8 U	0.71 U
2,4-Dinitrotoluene	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
2,6-Dinitrotoluene	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
2-Chlorophenol	NS	NS	0.46 U	1.2 U	1.2 U	0.23 U	1.1 U	1.2 U	0.21 U
2-Methylphenol	0.33	500	0.46 U	1.2 U	1.2 U	0.23 U	1.1 U	1.2 U	0.21 U
2-Nitroaniline	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
2-Nitrophenol	NS	NS	1.5 U	4 U	3.9 U	0.77 U	3.8 U	3.8 U	0.71 U
3,3'-Dichlorobenzidine	NS	NS	0.76 U	2 U	2 U	0.38 U	1.9 U	1.9 U	0.36 U
3-Methylphenol/4-Methylphenol	0.33	500	0.46 U	1.2 U	1.2 U	0.23 U	1.1 U	1.2 U	0.21 U
3-Nitroaniline	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
4,6-Dinitro-o-cresol	NS	NS	1.5 U	4 U	3.9 U	0.77 U	3.8 U	3.8 U	0.71 U
4-Bromophenyl phenyl ether	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
4-Chloroaniline	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
4-Chlorophenyl phenyl ether	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
4-Nitroaniline	NS	NS	0.54 U	1.4 U	1.4 U	0.27 U	1.3 U	1.3 U	0.25 U
4-Nitrophenol	NS	NS	0.76 U	2 U	2 U	0.38 U	1.9 U	1.9 U	0.36 U
Acetophenone	NS	NS	1.5 U	4 U	3.9 U	0.77 U	3.8 U	3.8 U	0.71 U
Benzoic Acid	NS	NS	3.8 U	10 U	9.8 U	1.9 U	9.4 U	9.6 U	1.8 U
Benzyl Alcohol	NS	NS	0.76 U	2 U	2 U	0.38 U	1.9 U	1.9 U	0.36 U
Biphenyl	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
Bis(2-chloroethoxy)methane	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
Bis(2-chloroethyl)ether	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
Bis(2-chloroisopropyl)ether	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
Bis(2-Ethylhexyl)phthalate	NS	NS	0.76 U	2 U	2 U	0.38 U	1.9 U	1.9 U	0.36 U
Butyl benzyl phthalate	NS	NS	0.38 U	1 U	0.98 U	0.19 U	4.6	0.96 U	0.18 U
Carbazole	NS	NS	0.38 U	1 U	2.7	0.28	0.94 U	0.96 U	0.18 U
Dibenzofuran	7	350	0.38 U	1 U	4	0.23	0.94 U	0.96 U	0.18 U
Diethyl phthalate	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
Dimethyl phthalate	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
Di-n-butylphthalate	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
Di-n-octylphthalate	NS	NS	0.38 U	1 U	0.98 U	0.19 U	3.8	0.96 U	0.18 U
Hexachlorocyclopentadiene	NS	NS	0.76 U	2 U	2 U	0.38 U	1.9 U	1.9 U	0.36 U
Isophorone	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
Nitrobenzene	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	1.1 U	3 U	2.9 U	0.58 U	2.8 U	2.9 U	0.54 U
n-Nitrosodi-n-propylamine	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
P-Chloro-M-Cresol	NS	NS	0.38 U	1 U	0.98 U	0.19 U	0.94 U	0.96 U	0.18 U
Phenol	0.33	500	0.54 U	1.4 U	1.4 U	0.27 U	1.3 U	1.3 U	0.25 U

SVOCs SIM - mg/kg

Dilution			10	20	20	5	20	20	1
2-Chloronaphthalene	NS	NS	0.076 U	0.16 U	0.16 U	0.038 U	0.15 U	0.15 U	0.0071 U
2-Methylnaphthalene	NS	NS	0.26	0.16 U	2.5	0.12	0.15 U	0.2	0.0071 U
Acenaphthene	20	500	0.085	0.37	0.36	0.34	0.15 U	0.68	0.0071 U
Acenaphthylene	100	500	0.081	0.71	3.1	0.041	0.41	0.15 U	0.0071 U
Anthracene	100	500	0.28	1.4	1.5	0.96	0.36	2.7	0.0071 U
Benzo(a)anthracene	1	5.6	**1.5**	**5**	**5.9**	**1.3**	**1.4**	**7.1**	0.0071 U
Benzo(a)pyrene	1	1	**1.4**	**3.9**	**5.7**	1	**1.4**	**4.7**	0.0071 U
Benzo(b)fluoranthene	1	5.6	**1.8**	**5.2**	**9**	**1.2**	**1.9**	**5.4**	0.0071 U
Benzo(ghi)perylene	100	500	0.9	2.1	3.8	0.58	0.98	3.1	0.0071 U
Benzo(k)fluoranthene	0.8	56	0.7	**1.9**	**3.4**	0.37	0.58	**2.5**	0.0071 U
Chrysene	1	56	**1.4**	**4.6**	**7.3**	**1.2**	**1.3**	**5.8**	0.0071 U
Dibenzo(a,h)anthracene	0.33	0.56	**0.35**	**0.93**	**1.2**	0.17	**0.45**	**1.2**	0.0071 U
Fluoranthene	100	500	2.6	9.3	23	2.9	2.4	13	0.0071 U
Fluorene	30	500	0.076 U	0.44	2.4	0.27	0.15 U	0.84	0.0071 U
Hexachlorobenzene	0.33	6	0.31 U	0.64 U	0.63 U	0.15 U	0.6 U	0.62 U	0.028 U
Hexachlorobutadiene	NS	NS	0.19 U	0.4 U	0.39 U	0.096 U	0.38 U	0.38 U	0.018 U
Hexachloroethane	NS	NS	0.31 U	0.64 U	0.63 U	0.15 U	0.6 U	0.62 U	0.028 U
Indeno(1,2,3-cd)Pyrene	0.5	5.6	**0.84**	**2.2**	**3.7**	**0.52**	**0.95**	**2.6**	0.0071 U
Naphthalene	12	500	0.1	0.26	6.5	0.26	0.15 U	0.41	0.0071 U
Pentachlorophenol	0.8	6.7	0.31 U	0.64 U	0.63 U	0.15 U	0.6 U	0.62 U	0.028 U
Phenanthrene	100	500	1.4	5.3	14	2.6	1.3	10	0.0071 U
Pyrene	100	500	2.3	8	14	2.6	2.3	13	0.0071 U

Table 1E
2477 Third Ave.
Bronx, NY
2009 Subsurface (Phase II) Investigation Soil Analytical Results
Metals

Client ID Lab Sample ID Date Sampled mg/kg	NYSDEC Part 375 Unrestricted mg/kg	NYSDEC Part 375 Commercial mg/kg	Eastern USA Soil Background	SB-1 (8'-9') L0901109-01 1/27/2009	SB-2 (6'-7') L0901109-02 1/27/2009	SB-3 (6'-7') L0901109-04 1/27/2009	SB-4 (7'-8') L0901109-05 1/27/2009	SB-5 (9'-10') L0901109-06 1/27/2009	SB-6 (9'-10') L0901109-03 1/27/2009	SB-7 (6'-7') L0901109-07 1/27/2009	SB-8 (8'-9') L0901109-08 1/27/2009
Aluminum	**NS**	**NS**	**33,000**	5,800	8,200	7,600	6,000	7,200	6,000	9,500	5,900
Antimony	**NS**	**NS**	**NS**	2.9 U	2.8 U	2.8 U	2.9 U	3 U	2.9 U	2.9 U	2.9 U
Arsenic	**13**	**16**	**3 – 12**	0.87	0.56 U	6.4	3.6	2.9	1.1	2.3	2
Barium	**350**	**400**	**15 – 600**	23	43	**360**	**500**	24	28	35	79
Beryllium	**7.2**	**590**	**0 – 1.75**	0.29	0.31	0.52	0.41	0.42	0.34	0.43	0.37
Cadmium	**2.5**	**9.3**	**0.1 – 1**	0.58 U	0.56 U	1.6	0.58 U	0.6 U	0.58 U	0.59 U	0.58 U
Calcium	**NS**	**NS**	**130 – 35,000**	850	800	**56,000**	24,000	1,200	2,000	2,000	1,100
Chromium	**30**	**1,500**	**1.5 – 40**	9.3	14	18	12	12	11	21	12
Cobalt	**NS**	**NS**	**2.5 – 60**	5	4.3	6.2	8.6	6	5.4	8	6.4
Copper	**50**	**270**	**1 – 50**	10	7.1	**63**	21	14	16	15	12
Iron	**NS**	**NS**	**2,000 – 550,000**	9,900	13,000	15,000	13,000	16,000	15,000	19,000	13,000
Lead	**63**	**1,000**	**200 – 500 (2)**	3.4	3.5	**140**	**82**	4.8	9.5	7.5	12
Magnesium	**NS**	**NS**	**100 – 5,000**	2,500	2,500	**6,600**	4,000	3,200	2,900	3,400	2,600
Manganese	**1,600**	**10,000**	**50 – 5,000**	78	78	320	550	170	390	200	120
Mercury	**0.18**	**2.8**	**0.001 – 0.2**	0.1 U	0.09 U	**1.1**	0.15	0.09 U	0.09 U	0.1 U	0.1
Nickel	**30**	**310**	**0.5 – 25**	**34**	12	21	16	14	13	14	12
Potassium	**NS**	**NS**	**8,500 – 43,000**	810	890	1,100	920	1,100	980	1,000	730
Selenium	**3.9**	**1,500**	**0.1 – 3.9**	2.9 U	2.8 U	2.8 U	2.9 U	3 U	2.9 U	2.9 U	2.9 U
Silver	**2**	**1,500**	**NS**	0.58 U	0.56 U	1.3	0.58 U	0.6 U	0.58 U	0.59 U	0.58 U
Sodium	**NS**	**NS**	**6,000 – 8,000**	120 U	110 U	320	170	120 U	120 U	120 U	120 U
Thallium	**NS**	**NS**	**NS**	2.9 U	2.8 U	2.8 U	2.9 U	3 U	2.9 U	2.9 U	2.9 U
Vanadium	**NS**	**NS**	**1 – 300**	12	14	38	17	14	12	21	11
Zinc	**109**	**10,000**	**9 – 50**	29	27	**1,000**	**200**	43	**54**	45	**79**

Table 1F
2477 Third Avenue
Bronx, New York

2011 Remedial Investigation Soil Analytical Results

Metals

Client ID Lab Sample ID Date Sampled Dilution mg/kg	NYSDEC Part 375 Unrestricted mg/kg	NYSDEC Part 375 Commercial mg/kg	Eastern USA Soil Background mg/kg	SB-9(0-2) L1102299-01 2/17/2011	SB-10(0-2) L1102299-02 2/17/2011	SB-11(0-2) L1102299-03 2/17/2011	SB-12(0-2) L1102299-04 2/17/2011	SB-13(0-2) L1102299-05 2/17/2011	SB-14(0-2) L1102299-06 2/17/2011	SB-15(0-2) L1102299-07 2/17/2011
Aluminum	**NS**	**NS**	**33,000**	6,400	9,600	5,600	5,200	7,100	10,000	1,200
Antimony	**NS**	**NS**	**NS**	4.5 U	2.3	4.2 U	3.9 U	4.3 U	4.2 U	4.3 U
Arsenic	**13**	**16**	**3 – 12**	6.1	7.2	5.3	5.7	5.8	2.4	2.2
Barium	**350**	**400**	**15 – 600**	**590**	300	**1,000**	**610**	130	35	27
Beryllium	**7.2**	**590**	**0 – 1.75**	1.2	0.8	0.56	0.48	0.53	0.62	0.43 U
Cadmium	**2.5**	**9.3**	**0.1 – 1**	**5.7**	0.47 U	**5.1**	0.78	0.86 U	0.85 U	0.85 U
Calcium	**NS**	**NS**	**130 – 35,000**	24,000	55,000	29,000	62,000	13,000	980	240
Chromium	**30**	**1,500**	**1.5 – 40**	22	19	17	13	14	13	8.5
Cobalt	**NS**	**NS**	**2.5 – 60**	7.4	6.7	6.2	4.2	5.3	5.7	80
Copper	**50**	**270**	**1 – 50**	**94**	**64**	**180**	**120**	**69**	11	**93**
Iron	**NS**	**NS**	**2,000 – 550,000**	16,000	26,000	10,000	8,800	14,000	15,000	52,000
Lead	**63**	**1,000**	**200 – 500 (2)**	**640**	**150**	**460**	**460**	**200**	11	33
Magnesium	**NS**	**NS**	**100 – 5,000**	12,000	5,100	3,800	11,000	7,400	3,100	190
Manganese	**1,600**	**10,000**	**50 – 5,000**	300	1,500	300	390	290	330	**2,100**
Mercury	**0.18**	**2.8**	**0.001 – 0.2**	**0.27**	**1.6**	**0.8**	0.12	**0.43**	**0.79**	0.08 U
Nickel	**30**	**310**	**0.5 – 25**	**49**	21	12	**70**	**190**	14	**100**
Potassium	**NS**	**NS**	**8,500 – 43,000**	1,600	1,100	970	900	1,200	1,100	280
Selenium	**3.9**	**1,500**	**0.1 – 3.9**	1.8 U	0.94 U	1.7 U	1.6 U	1.7 U	1.7 U	1.7
Silver	**2**	**1,500**	**NS**	2	0.47 U	0.84 U	0.78 U	0.86 U	0.85 U	0.85 U
Sodium	**NS**	**NS**	**6,000 – 8,000**	410	1,200	650	480	200	170 U	210
Thallium	**NS**	**NS**	**NS**	1.8 U	0.94 U	1.7 U	1.6 U	1.7 U	1.7 U	1.7 U
Vanadium	**NS**	**NS**	**1 – 300**	240	24	20	17	24	16	19
Zinc	**109**	**10,000**	**9 – 50**	**740**	**250**	**550**	**440**	**160**	31	76

Table 1G
2477 Third Ave.
Bronx, NY
2009 Subsurface (Phase II) Investigation Soil Analytical Results
Pesticides

Client ID Lab Sample ID Date Sampled Dilution Pesticides - mg/kg	NYSDEC Part 375 Unrestricted mg/kg	NYSDEC Part 375 Commercial mg/kg	SB-1 (8'-9') L0901109-01 1/27/2009 1	SB-2 (6'-7') L0901109-02 1/27/2009 1	SB-3 (6'-7') L0901109-04 1/27/2009 1	SB-4 (7'-8') L0901109-05 1/27/2009 5	SB-5 (9'-10') L0901109-06 1/27/2009 1	SB-6 (9'-10') L0901109-03 1/27/2009 1	SB-7 (6'-7') L0901109-07 1/27/2009 1	SB-8 (8'-9') L0901109-08 1/27/2009 1
4,4'-DDD	**0.0033**	**92**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.0161	0.00417 U	0.00397 U	0.00397 U
4,4'-DDE	**0.0033**	**62**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00753	0.00417 U	0.00397 U	0.00397 U
4,4'-DDT	**0.0033**	**47**	0.00406 U	0.00383 U	0.0206 U	0.0222	0.0302	0.00417 U	0.00397 U	0.00397 U
Aldrin	**0.005**	**0.68**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U
Alpha-BHC	**0.02**	**3.4**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U
Beta-BHC	**0.036**	**3**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U
Chlordane	**0.094**	**24**	0.0406 U	0.0383 U	0.206 U	0.0397 U	0.0412 U	0.0417 U	0.0397 U	0.0397 U
Delta-BHC	**0.04**	**500**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U
Dieldrin	**0.005**	**1.4**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U
Endosulfan I	**2.4**	**NS**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U
Endosulfan II	**2.4**	**NS**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U
Endosulfan sulfate	**2.4**	**NS**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U
Endrin	**0.014**	**89**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U
Endrin ketone	**NS**	**NS**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U
Heptachlor	**0.042**	**15**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U
Heptachlor epoxide	**NS**	**NS**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U
Lindane	**0.1**	**9.2**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U
Methoxychlor	**NS**	**NS**	0.0163 U	0.0153 U	0.0823 U	0.0159 U	0.0165 U	0.0167 U	0.0159 U	0.0159 U
trans-Chlordane	**NS**	**NS**	0.00406 U	0.00383 U	0.0206 U	0.00397 U	0.00412 U	0.00417 U	0.00397 U	0.00397 U

Table 1H
2477 Third Avenue
Bronx, New York
2011 Remedial Investigation Soil Analytical Results
Polychlorinated Biphenyls

Client ID Lab Sample ID Date Sampled Dilution Polychlorinated Biphenyls - mg/kg	NYSDEC Part 375 Unrestricted mg/kg	NYSDEC Part 375 Commercial mg/kg	SB-9(0-2) L1102299-01 2/17/2011 1	SB-10(0-2) L1102299-02 2/17/2011 1	SB-11(0-2) L1102299-03 2/17/2011 1	SB-12(0-2) L1102299-04 2/17/2011 1	SB-13(0-2) L1102299-05 2/17/2011 1	SB-14(0-2) L1102299-06 2/17/2011 1	SB-15(0-2) L1102299-07 2/17/2011 1
Aroclor 1016	**0.1**	**1**	0.0388 U	0.0408 U	0.0371 U	0.0383 U	0.036 U	0.0378 U	0.0352 U
Aroclor 1221	**0.1**	**1**	0.0388 U	0.0408 U	0.0371 U	0.0383 U	0.036 U	0.0378 U	0.0352 U
Aroclor 1232	**0.1**	**1**	0.0388 U	0.0408 U	0.0371 U	0.0383 U	0.036 U	0.0378 U	0.0352 U
Aroclor 1242	**0.1**	**1**	0.0388 U	0.0408 U	**0.619**	0.0383 U	0.036 U	0.0378 U	0.0352 U
Aroclor 1248	**0.1**	**1**	0.0388 U	0.0408 U	0.0371 U	0.0383 U	0.036 U	0.0378 U	0.0352 U
Aroclor 1254	**0.1**	**1**	0.0388 U	0.0408 U	0.0371 U	0.0383 U	0.036 U	0.0378 U	0.0352 U
Aroclor 1260	**0.1**	**1**	0.0388 U	**0.188**	0.0371 U	0.0383 U	0.0391	0.0378 U	0.0352 U

Table 1I
2477 Third Avenue
Bronx, New York
2011 Remedial Investigation Soil Analytical Results
Pesticides

Client ID Lab Sample ID Date Sampled Dilution Polychlorinated Biphenyls - mg/kg	NYSDEC Part 375 Unrestricted mg/kg	NYSDEC Part 375 Commercial mg/kg	SB-9(0-2) L1102299-01 2/17/2011 10	SB-10(0-2) L1102299-02 2/17/2011 10	SB-11(0-2) L1102299-03 2/17/2011 10	SB-12(0-2) L1102299-04 2/17/2011 10	SB-13(0-2) L1102299-05 2/17/2011 10	SB-14(0-2) L1102299-06 2/17/2011 10	SB-15(0-2) L1102299-07 2/17/2011 1
4,4'-DDD	**0.0033**	**92**	0.0188 U	0.0197 U	**0.0228**	0.0188 U	0.0185 U	**0.0702**	0.0017 U
4,4'-DDE	**0.0033**	**62**	0.0188 U	0.0197 U	**0.0194**	0.0188 U	0.0185 U	**0.0482**	0.0017 U
4,4'-DDT	**0.0033**	**47**	0.0352 U	**0.0476**	**0.0852**	**0.0543**	0.0347 U	**0.31**	0.00319 U
Aldrin	**0.005**	**0.68**	0.0188 U	0.0197 U	0.0192 U	0.0188 U	0.0185 U	0.0197 U	0.0017 U
Alpha-BHC	**0.02**	**3.4**	0.00783 U	0.00821 U	0.00801 U	0.00785 U	0.0077 U	0.00822 U	0.000709 U
Beta-BHC	**0.036**	**3**	0.0188 U	0.0197 U	0.0192 U	0.0188 U	0.0185 U	0.0197 U	0.0017 U
Chlordane	**0.094**	**24**	0.153 U	0.16 U	**0.189**	0.153 U	0.15 U	**0.23**	0.0138 U
Delta-BHC	**0.04**	**500**	0.0188 U	0.0197 U	0.0192 U	0.0188 U	0.0185 U	0.0197 U	0.0017 U
Dieldrin	**0.005**	**1.4**	0.0117 U	0.0123 U	**0.0526**	0.0118 U	0.0116 U	**0.0497**	0.00148
Endosulfan I	**2.4**	**NS**	0.0188 U	0.0197 U	0.0192 U	0.0188 U	0.0185 U	0.0197 U	0.0017 U
Endosulfan II	**2.4**	**NS**	0.0188 U	0.0197 U	0.0192 U	0.0188 U	0.0185 U	0.0197 U	0.0017 U
Endosulfan sulfate	**2.4**	**NS**	0.00783 U	0.00821 U	0.00801 U	0.00785 U	0.0077 U	0.00822 U	0.000709 U
Endrin	**0.014**	**89**	0.00783 U	0.00821 U	0.00801 U	0.00785 U	0.0077 U	0.00822 U	0.000709 U
Endrin ketone	**NS**	**NS**	0.0188 U	0.0197 U	0.0192 U	0.0188 U	0.0185 U	0.0197 U	0.0017 U
Heptachlor	**0.042**	**15**	0.00939 U	0.00985 U	0.00962 U	0.00942 U	0.00924 U	0.00986 U	0.000851 U
Heptachlor epoxide	**NS**	**NS**	0.0352 U	0.0369 U	0.0361 U	0.0353 U	0.0347 U	0.037 U	0.00319 U
Lindane	**0.1**	**9.2**	0.00783 U	0.00821 U	0.00801 U	0.00785 U	0.0077 U	0.00822 U	0.000709 U
Methoxychlor	**NS**	**NS**	0.0352 U	0.0369 U	0.0361 U	0.0353 U	0.0347 U	0.037 U	0.00319 U
Toxaphene	**NS**	**NS**	0.352 U	0.369 U	0.361 U	0.353 U	0.347 U	0.37 U	0.0319 U
trans-Chlordane	**NS**	**NS**	0.0235 U	0.0246 U	0.024 U	0.0236 U	0.0231 U	0.0313	0.00213 U

TABLE 2

Summary Table of Groundwater Analytical Data

See attached tables 2A through 2C.

Table 2A
2477 Third Ave.
Bronx, NY
2009 Subsurface (Phase II) Investigation Groundwater Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled µg/L	NYSDEC Class GA Ambient Standard µg/L	MW-1 L0901107-01 1/27/2009	MW-2 L0901107-02 1/27/2009	MW-3 L0901107-03 1/27/2009	MW-6 L0901107-04 1/27/2009	MW-8 L0901107-05 1/27/2009	TRIP BLANK L0901107-06 1/27/2009	FB-1 L0901107-07 1/28/2009
1,1,1,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethane	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U	4.4	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-chloropropane	0.04	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
1,3,5-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethylbenzene	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Ethyltoluene	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	6.3
Acrylonitrile	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4 sum	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Isopropylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether	10	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	**14**
Naphthalene	10	3.1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
n-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
p/m-Xylene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
p-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	5	0.5 U	0.5 U	0.5 U	0.62	0.5 U	0.5 U	0.5 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	0.75 U	1.8	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,2-Dichloroethene	5	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
trans-1,3-Dichloropropene	0.4 sum	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 2B
2477 Third Ave.
Bronx, NY
2009 Subsurface (Phase II) Investigation Groundwater Analytical Results
Semi-Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled µg/L	NYSDEC Class GA Ambient Standard µg/L	MW-1 L0901107-01 1/27/2009	MW-2 L0901107-02 1/27/2009	MW-3 L0901107-03 1/27/2009	MW-6 L0901107-04 1/27/2009	MW-8 L0901107-05 1/27/2009	FB-1 L0901107-07 1/28/2009
1,2,4,5-Tetrachlorobenzene	5	20 U	20 U	20 U	20 U	20 U	20 U
1,2,4-Trichlorobenzene	5	5 U	4.9 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	3	5 U	4.9 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	3	5 U	4.9 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	3	5 U	4.9 U	5 U	5 U	5 U	5 U
2,4,5-Trichlorophenol	NS	5 U	4.9 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	4.9 U	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	5	10 U	9.8 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50	10 U	9.8 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10	30 U	29 U	30 U	30 U	30 U	30 U
2,4-Dinitrotoluene	5	6 U	5.9 U	6 U	6 U	6 U	6 U
2,6-Dinitrotoluene	5	5 U	4.9 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	10	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Chlorophenol	NS	6 U	5.9 U	6 U	6 U	6 U	6 U
2-Methylnaphthalene	NS	0.32	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Methylphenol	NS	6 U	5.9 U	6 U	6 U	6 U	6 U
2-Nitroaniline	5	5 U	4.9 U	5 U	5 U	5 U	5 U
2-Nitrophenol	NS	20 U	20 U	20 U	20 U	20 U	20 U
3,3'-Dichlorobenzidine	5	50 U	49 U	50 U	50 U	50 U	50 U
3-Methylphenol/4-Methylphenol	NS	6 U	5.9 U	6 U	6 U	6 U	6 U
3-Nitroaniline	5	5 U	4.9 U	5 U	5 U	5 U	5 U
4,6-Dinitro-o-cresol	NS	20 U	20 U	20 U	20 U	20 U	20 U
4-Bromophenyl phenyl ether	NS	5 U	4.9 U	5 U	5 U	5 U	5 U
4-Chloroaniline	5	5 U	4.9 U	5 U	5 U	5 U	5 U
4-Chlorophenyl phenyl ether	NS	5 U	4.9 U	5 U	5 U	5 U	5 U
4-Nitroaniline	5	7 U	6.8 U	7 U	7 U	7 U	7 U
4-Nitrophenol	NS	10 U	9.8 U	10 U	10 U	10 U	10 U
Acenaphthene	20	0.2 U	0.2 U	0.2 U	3.4	0.2 U	0.2 U
Acenaphthylene	NS	0.2 U	0.2 U	0.2 U	1.3	0.2 U	0.2 U
Acetophenone	NS	20 U	20 U	20 U	20 U	20 U	20 U
Anthracene	50	0.22	0.2 U	0.2 U	0.72	0.2 U	0.2 U
Benzo(a)anthracene	NS	0.27	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(a)pyrene	ND	**0.21**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(b)fluoranthene	0.002	**0.28**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(ghi)perylene	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(k)fluoranthene	0.002	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzoic Acid	NS	50 U	49 U	50 U	50 U	50 U	50 U
Benzyl Alcohol	NS	10 U	9.8 U	10 U	10 U	10 U	10 U
Biphenyl	5	5 U	4.9 U	5 U	5 U	5 U	5 U
Bis(2-chloroethoxy)methane	5	5 U	4.9 U	5 U	5 U	5 U	5 U
Bis(2-chloroethyl)ether	1	5 U	4.9 U	5 U	5 U	5 U	5 U
Bis(2-chloroisopropyl)ether	NS	5 U	4.9 U	5 U	5 U	5 U	5 U
Bis(2-Ethylhexyl)phthalate	5	5 U	4.9 U	5 U	5 U	5 U	5 U
Butyl benzyl phthalate	50	5 U	4.9 U	5 U	5 U	5 U	5 U
Carbazole	NS	5 U	4.9 U	5 U	5 U	5 U	5 U
Chrysene	0.002	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibenzo(a,h)anthracene	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibenzofuran	NS	5 U	4.9 U	5 U	5 U	5 U	5 U
Diethyl phthalate	50	5 U	4.9 U	5 U	5 U	5 U	5 U
Dimethyl phthalate	50	5 U	4.9 U	5 U	5 U	5 U	5 U
Di-n-butylphthalate	50	5 U	4.9 U	5 U	5 U	5 U	5 U
Di-n-octylphthalate	50	5 U	4.9 U	5 U	5 U	5 U	5 U
Fluoranthene	50	0.56	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Fluorene	50	0.2 U	0.2 U	0.2 U	0.31	0.2 U	0.2 U
Hexachlorobenzene	0.04	0.8 U	0.78 U	0.8 U	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	0.5	0.5 U	0.49 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	30 U	29 U	30 U	30 U	30 U	30 U
Hexachloroethane	5	0.8 U	0.78 U	0.8 U	0.8 U	0.8 U	0.8 U
Indeno(1,2,3-cd)Pyrene	0.002	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isophorone	50	5 U	4.9 U	5 U	5 U	5 U	5 U
Naphthalene	10	2.2	0.2 U	0.36	0.2	0.2 U	0.2 U
Nitrobenzene	0.4	5 U	4.9 U	5 U	5 U	5 U	5 U
NitrosoDiPhenylAmine(NDPA)/DPA	50	15 U	15 U	15 U	15 U	15 U	15 U
n-Nitrosodi-n-propylamine	NS	5 U	4.9 U	5 U	5 U	5 U	5 U
P-Chloro-M-Cresol	NS	5 U	4.9 U	5 U	5 U	5 U	5 U
Pentachlorophenol	NS	1.1	0.78 U	0.8 U	0.8 U	0.8 U	0.8 U
Phenanthrene	50	0.79	0.2 U	0.2 U	0.74	0.23	0.2 U
Phenol	NS	7 U	6.8 U	7 U	7 U	7 U	7 U
Pyrene	50	0.48	0.2 U	0.2 U	0.24	0.2 U	0.2 U

Table 2C
2477 Third Ave.
Bronx, NY
2009 Subsurface (Phase II) Investigation Groundwater Analytical Results
Metals - Total and Dissolved

Client ID Lab Sample ID Date Sampled Total - µg/L	NYSDEC Class GA mbient Standa µg/L	MW-1 L0901107-01 1/27/2009	MW-2 L0901107-02 1/27/2009	MW-3 L0901107-03 1/27/2009	MW-6 L0901107-04 1/27/2009	MW-8 L0901107-05 1/27/2009	FB-1 L0901107-07 1/28/2009
Aluminum	**NS**	20,000	970	14,000	5,900	7,000	100 U
Antimony	**3**	50 U	50 U	50 U	50 U	50 U	50 U
Arsenic	**25**	23	5 U	5	5 U	5 U	5 U
Barium	**1000**	308	129	141	226	92	10 U
Beryllium	**3**	5 U	5 U	5 U	5 U	5 U	5 U
Cadmium	**5**	5 U	5 U	5 U	5 U	5 U	5 U
Calcium	**NS**	190,000	120,000	230,000	380,000	90,000	100
Chromium	**50**	50	10 U	40	10	10	10 U
Cobalt	**NS**	20 U	20 U	20 U	20 U	20 U	20 U
Copper	**200**	142	10 U	118	17	16	10 U
Iron	**300+**	**52,000**	**5,300**	**26,000**	**15,000**	**15,000**	100
Lead	**25**	**273**	10 U	21	14	13	10 U
Magnesium	**35000**	22,000	17,000	23,000	**54,000**	18,000	100 U
Manganese	**300+**	**830**	**604**	**611**	**404**	**819**	10 U
Mercury	**0.7**	**1.3**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	**100**	**130**	25 U	27	25 U	25 U	25 U
Potassium	**NS**	11,000	17,000	15,000	19,000	13,000	2,500 U
Selenium	**10**	10 U	10 U	10 U	10 U	10 U	10 U
Silver	**50**	7 U	7 U	7 U	7 U	7 U	7 U
Sodium	**20000**	**26,000**	**100,000**	**57,000**	20,000	**36,000**	2,000 U
Thallium	**0.5**	20 U	20 U	20 U	20 U	20 U	20 U
Vanadium	**NS**	44	10 U	39	11	14	10 U
Zinc	**2000**	276	50 U	108	67	149	50 U
Dissolved							
Aluminum	**NS**	100 U	100 U	NA	100 U	NA	NA
Antimony	**3**	50 U	50 U	NA	50 U	NA	NA
Arsenic	**25**	5 U	5 U	NA	5 U	NA	NA
Barium	**1000**	47	123	NA	172	NA	NA
Beryllium	**3**	5 U	5 U	NA	5 U	NA	NA
Cadmium	**5**	5 U	5 U	NA	5 U	NA	NA
Calcium	**NS**	150,000	120,000	NA	380,000	NA	NA
Chromium	**50**	10 U	10 U	NA	10 U	NA	NA
Cobalt	**NS**	20 U	20 U	NA	20 U	NA	NA
Copper	**200**	12	10 U	NA	10 U	NA	NA
Iron	**300+**	50 U	**4,000**	NA	**340**	NA	NA
Lead	**25**	10 U	10 U	NA	10 U	NA	NA
Magnesium	**35000**	15,000	17,000	NA	**54,000**	NA	NA
Manganese	**300+**	111	**581**	NA	295	NA	NA
Mercury	**0.7**	0.2 U	0.2 U	NA	0.2 U	NA	NA
Nickel	**100**	25 U	25 U	NA	25 U	NA	NA
Potassium	**NS**	8,400	17,000	NA	19,000	NA	NA
Selenium	**10**	10 U	10 U	NA	10 U	NA	NA
Silver	**50**	7 U	7 U	NA	7 U	NA	NA
Sodium	**20000**	**25,000**	**100,000**	NA	**21,000**	NA	NA
Thallium	**0.5**	20 U	20 U	NA	20 U	NA	NA
Vanadium	**NS**	10 U	10 U	NA	10 U	NA	NA
Zinc	**2000**	50 U	50 U	NA	50 U	NA	NA

TABLE 3

Summary Table of Soil Vapor Analytical Data

See attached table 3.

Table 3
2477 Third Avenue
Bronx, New York
2011 Remedial InvestigationSoil Vapor Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled Dilution µg/m³	EPA 2001 BASE 90th percentile µg/m³	NYSDOH 2003 Soil Vapor Intrusion Air Guideline Value µg/m³	NYSDOH 2003 Soil Vapor Indoor Upper Fence µg/m³	L1102308-01 SG-1 2/17/2011 2	L1102308-02 SG-2 2/17/2011 2	L1102308-03 SG-3 2/17/2011 1
1,1,1-Trichloroethane	20.6	NS	2.5	2.18 U	2.18 U	1.09 U
1,1,2,2-Tetrachloroethane	NS	NS	0.4	2.74 U	2.74 U	1.37 U
1,1,2-Trichloroethane	<1.5	NS	0.4	2.18 U	2.18 U	1.09 U
1,1-Dichloroethane	<0.7	NS	0.4	1.62 U	1.62 U	0.809 U
1,1-Dichloroethene	<1.4	NS	0.4	1.58 U	1.58 U	0.792 U
1,2,4-Trichlorobenzene	<6.8	NS	0.5	7.42 U	7.42 U	3.71 U
1,2,4-Trimethylbenzene	9.5	NS	9.8	2.15	1.96 U	0.982 U
1,2-Dibromoethane	<1.5	NS	0.4	3.07 U	3.07 U	1.54 U
1,2-Dichlorobenzene	<1.2	NS	0.5	2.4 U	2.4 U	1.2 U
1,2-Dichloroethane	<0.9	NS	0.4	1.62 U	1.62 U	0.809 U
1,2-Dichloropropane	<1.6	NS	0.4	1.85 U	1.85 U	0.924 U
1,3,5-Trimethybenzene	NS	NS	NS	1.96 U	1.96 U	0.982 U
1,3-Butadiene	<3.0	NS	0.5	0.884 U	0.884 U	**8.28**
1,3-Dichlorobenzene	<2.4	NS	0.5	2.4 U	2.4 U	1.2 U
1,4-Dichlorobenzene	5.5	NS	1.2	2.4 U	2.4 U	1.2 U
1,4-Dioxane	NS	NS	NS	1.44 U	1.44 U	0.72 U
2,2,4-Trimethylpentane	NS	NS	5	1.87 U	1.87 U	0.934 U
2-Butanone	12	NS	16	2.52	2.4	2.04
2-Hexanone	NS	NS	NS	1.64 U	1.64 U	0.819 U
3-Chloropropene	NS	NS	NS	1.25 U	1.25 U	0.626 U
4-Ethyltoluene	3.6	NS	NS	1.96 U	1.96 U	0.982 U
4-Methyl-2-pentanone	6	NS	1.9	3.73	1.64 U	0.819 U
Acetone	98.9	NS	115	97.4	68.4	62.7
Benzene	9.4	NS	13	1.33	1.28 U	7.16
Benzyl chloride	<6.8	NS	NS	2.07 U	2.07 U	1.03 U
Bromodichloromethane	NS	NS	NS	2.68 U	2.68 U	1.34 U
Bromoform	NS	NS	NS	4.13 U	4.13 U	2.06 U
Bromomethane	<1.7	NS	0.5	1.55 U	1.55 U	0.776 U
Carbon disulfide	4.2	NS	NS	2.72	**5.34**	1.65
Carbon tetrachloride	<1.3	NS	1.3	2.51 U	2.51 U	1.26 U
Chlorobenzene	<0.9	NS	0.4	1.84 U	1.84 U	0.92 U
Chloroethane	<1.1	NS	0.4	1.05 U	1.05 U	0.527 U
Chloroform	1.1	NS	1.2	1.95 U	1.95 U	0.976 U
Chloromethane	3.7	NS	4.2	0.825 U	0.825 U	0.413 U
cis-1,2-Dichloroethene	<1.9	NS	0.4	1.58 U	1.58 U	0.792 U
cis-1,3-Dichloropropene	<2.3	NS	0.4	1.81 U	1.81 U	0.907 U
Cyclohexane	NS	NS	6.3	1.38 U	1.38 U	0.688 U
Dibromochloromethane	NS	NS	NS	3.4 U	3.4 U	1.7 U
Dichlorodifluoromethane	16.5	NS	10	3.07	7.26	4.51
Ethanol	210	NS	1,300	9.41 U	9.41 U	4.71 U
Ethyl Acetate	5.4	NS	NS	3.6 U	3.6 U	1.8 U
Ethylbenzene	5.7	NS	6.4	1.74 U	1.74 U	2.52 U
Freon-113	3.5	NS	2.5	3.06 U	3.06 U	1.53 U
Freon-114	NS	NS	0.4	2.79 U	2.79 U	**2.71**
Heptane	NS	NS	18	7.43	1.64 U	2.29
Hexachlorobutadiene	<6.8	NS	0.5	4.26 U	4.26 U	2.13 U
Isopropanol	250	NS	NS	2.46 U	2.46 U	1.23 U
Methyl tert butyl ether	11.5	NS	14	1.44 U	1.44 U	0.72 U
Methylene chloride	10	60	16	6.94 U	6.94 U	3.47 U
n-Hexane	10.2	NS	14	9.53	1.41 U	2.06
o-Xylene	7.9	NS	7.1	1.98	1.74 U	2.19
p/m-Xylene	22.2	NS	11	5.77	4.47	7.09
Propylene	NS	NS	NS	3.52	6.96	73
Styrene	1.9	NS	1.4	1.7 U	1.7 U	0.851 U
Tetrachloroethene	15.9	100	2.5	67.4	56	53.4
Tetrahydrofuran	NS	NS	0.8	1.18 U	1.18 U	0.858
Toluene	43	NS	57	9.19	6.91	13.8
trans-1,2-Dichloroethene	NS	NS	NS	1.58 U	1.58 U	0.792 U
trans-1,3-Dichloropropene	<1.3	NS	NC	1.81 U	1.81 U	0.907 U
Trichloroethene	4.2	5	0.5	2.15 U	2.15 U	1.07 U
Trichlorofluoromethane	18.1	NS	12	2.86	**28.2**	10.2
Vinyl acetate	NS	NS	NS	1.41 U	1.41 U	0.704 U
Vinyl bromide	NS	NS	NS	1.75 U	1.75 U	0.874 U
Vinyl chloride	<1.9	NS	0.4	1.02 U	1.02 U	0.511 U

TABLE 4

Groundwater Level Data

Monitoring Well ID No.	Date	Depth to Water (Feet below top of casing)
MW-1	1/27/2009	9.3
MW-2	1/27/2009	7.4
MW-3	1/27/2009	7.8
MW-6	1/27/2009	9.62
MW-8	1/27/2009	9.2

TABLE 5

Sample Collection Data for All Media

Sample ID	Date	Soil Sample Depth (feet below land surface)
MW-1	1/27/2009	Not Applicable
MW-2	1/27/2009	Not Applicable
MW-3	1/27/2009	Not Applicable
MW-6	1/27/2009	Not Applicable
MW-8	1/27/2009	Not Applicable
SB/MW-1	1/27/2009	8-9
SB/MW-2	1/27/2009	6-7
SB/MW-3	1/27/2009	6-7
SB-4	1/27/2009	7-8
SB-5	1/27/2009	9-10
SB/MW-6	1/27/2009	9-10
SB-7	1/27/2009	6-7
SB/MW8	1/27/2009	8-9
SB-9	2/17/2011	0-2
SB-10	2/17/2011	0-2
SB-11	2/17/2011	0-2
SB-12	2/17/2011	0-2
SB-13	2/17/2011	0-2
SB-14	2/17/2011	0-2

SB-15	2/17/2011	0-2
SG-1	2/17/2011	5.5-6
SG-2	2/17/2011	5.5-6
SG-3	2/17/2011	5.5-6

TABLE 6

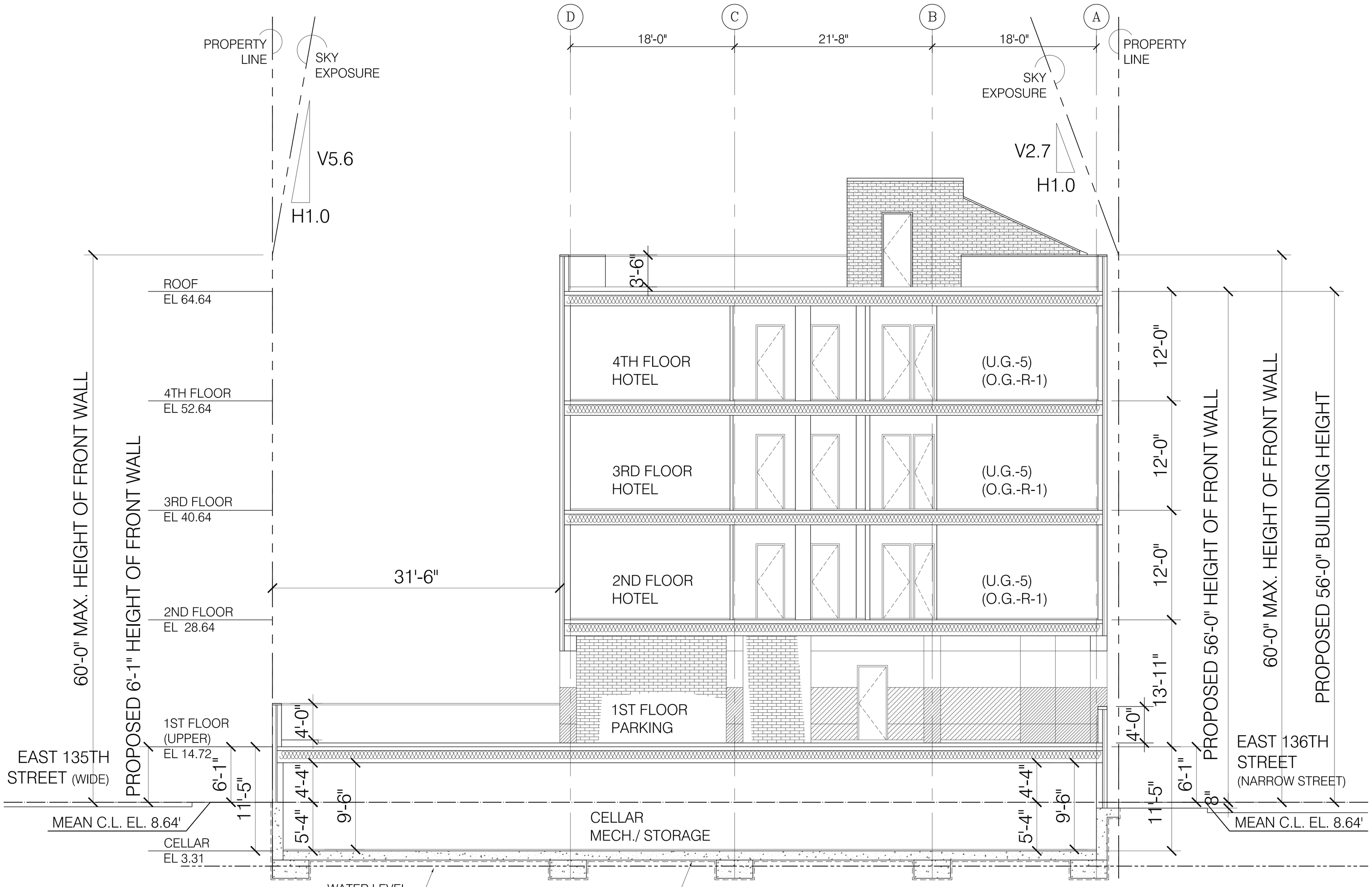
Analytical Methods Summary Table

Matrix	Number of samples	Analytical parameters measured	Analytical methods used	Number of duplicate samples	Number of trip blank samples	Number of field blank samples	MS/MSD
Soil	15	VOCs SVOCs Metals Pesticides PCBs	EPA Method 8260B EPA Method 8270C EPA Method 6010B EPA Method 8081A EPA Method 8082	0	0	0	Yes
Groundwater	5	VOCs SVOCs Metals Pesticides PCBs	EPA Method 8260B EPA Method 8270C EPA Method 6010B EPA Method 8081A EPA Method 8082	0	1	1	Yes
Soil Vapor	3	VOCs	EPA Method TO-15	0	0	0	Yes

APPENDIX A

ARCHITECTURAL PLANS OF PROPOSED CONSTRUCTION

No.	DATE	DESCRIPTION



NOTE: THIS IS A SCHEMATIC DESIGN
& SHALL SUBJECT TO REVIEW
& INTERPRETATION BY
NYC DEPT. OF BLDGS ON
ZONING AND BUILDING CODES.

M.E.P. ENGINEER:
VICTOR CESPEDES
Tel: (908) 789-0859 Fax: (908) 789-0859

STRUCTURAL ENGINEER:
WAI-LEUNG NG, P.E.
Tel: (917) 518-3236 Fax: (718) 854-0016

N.Y.C. D.O.B. NO. :

220041684

PROJECT:
COMFORT INN & SUITE
2477 THIRD AVENUE
BRONX, NY

DRAWING TITLE:
BUILDING SECTION
SCALE : 3/16" - 1'-0"

SEAL & SIGNATURE:

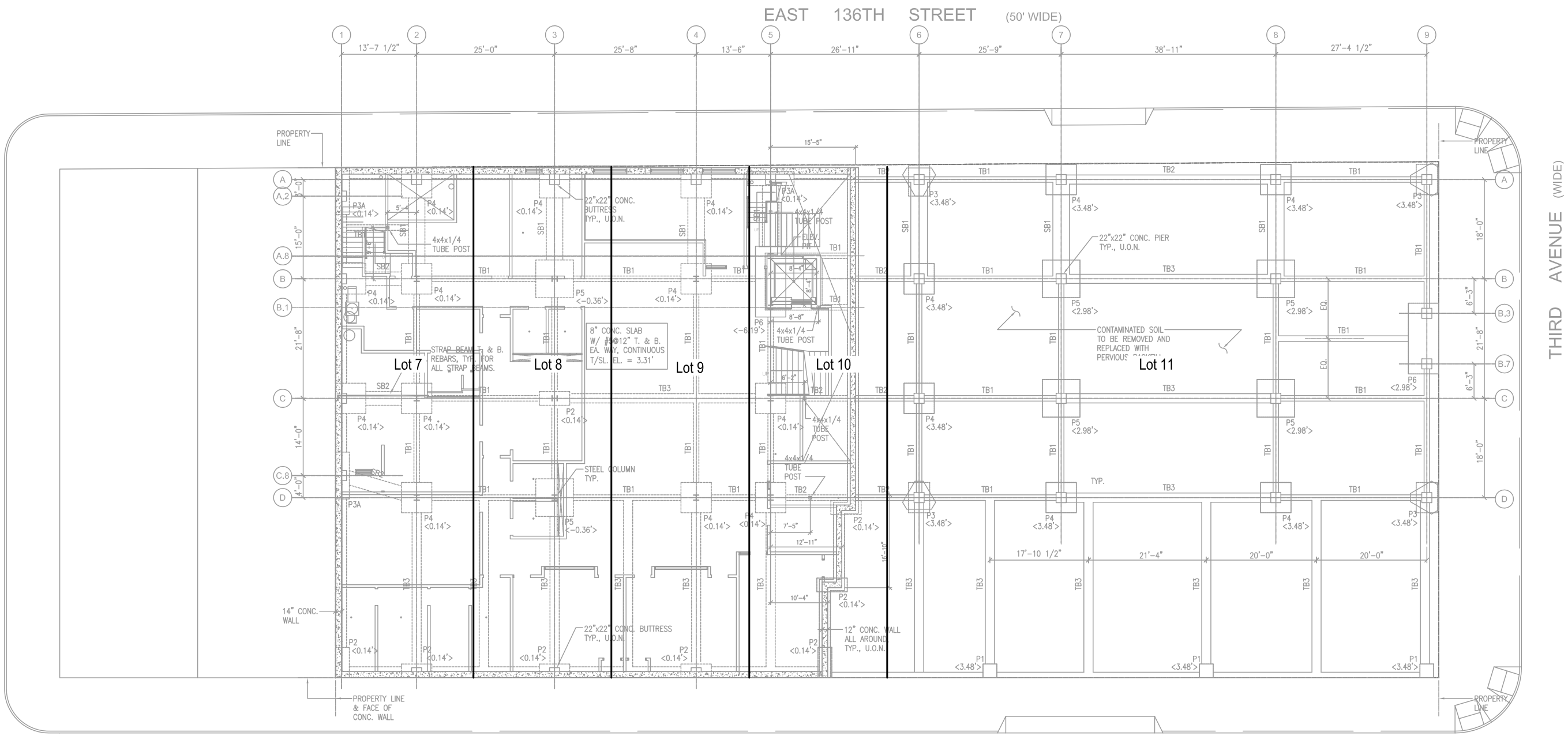
RAYMOND CHAN ARCHITECT PC
ARCHITECTS • PLANNERS

136-40 39TH AVENUE FLUSHING, NEW YORK 11354
Tel: (718) 445-2345 Fax: (718) 359-8809
Email: info@raymondchanarchitect.com
Web: www.raymondchanarchitect.com

DATE: 01/07/2011
PROJECT No.: 2846
PROJECT MANAGER: RCA
DRAWN BY:
CADD FILE NO.: 2477 THIRD AVENUE (2846)

DWG. No.:
A-602.00

DOB USE ONLY



NOTES:

1. ALL PILES SHALL BE 10" ROUND STEEL PIPES (GRADE A36) OF 60-TON CAPACITY (MIN.) FILL ALL PIPES WITH 4000 PSI CONCRETE AND PROVIDE 1-#11 x 20'-0" REBAR @ TOP OF PILE, TYP.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT (WITH TYPE II CEMENT) HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI @28 DAYS. REBARS FOR PILE CAPS, GRADE BEAMS, AND DOWELS SHALL BE GRADE 60, EPOXY COATED REBARS CONFORMING TO ASTM-A775.
3. FOR GENERAL NOTES AND TYPICAL DETAILS, SEE DWG. S-200 TO S-204.
4. FOR PILE CAPS DETAILS, SEE DWG. S-201.
5. FOR PILING INFORMATION, CONSULT WITH GEOTECHNICAL ENGINEER AND SEE GENERAL NOTES ON DWG. S-200.
6. < > THUS SHOWN INDICATES BOTTOM OF PILE CAP ELEVATIONS.

PROJECT NOTES:

1. CONTRACTOR MUST SUBMIT THE FOLLOWING SHOP DWGS. TO ENGINEER OF RECORD FOR REVIEW AND APPROVAL. THE ENGINEER OF RECORD WILL NOT BE HELD RESPONSIBLE FOR THE STRUCTURAL INTEGRITY AND STABILITY OF THE BUILDING IF THE OWNER/CONTRACTOR CHOOSES TO PLACE REBARS, POUR CONCRETE AND ERECT STRUCTURAL STEEL PRIOR TO SHOP DRAWING APPROVAL.
   A. FOUNDATION REBARS DWGS.
   B. STRUCTURAL STEEL (INCLUDING JOB STANDARDS).
   C. STEEL DECK.
   D. CONCRETE MIXES.
2. EXCAVATION SHORING SHALL BE CONTRACTOR'S SOLE RESPONSIBILITIES. CONTRACTOR SHALL HIRE A NYS LICENSED ENGINEER TO DESIGN THE SHORING SYSTEM AND PREPARE NECESSARY DWGS. ALL FOUNDATION LOADS, SOIL PRESSURES – STATIC AND SEISMIC, ADJACENT BUILDING LOADS AND SURCHARGES SHALL BE CONSIDERED WHEN DESIGNING THE SHORING SYSTEM.
3. PRIOR TO START OF CONSTRUCTION WORK, THE OWNER/ CONTRACTORS SHALL FULLY COORDINATE WITH ALL TRADES : ARCHITECTURAL, STRUCTURAL, MEP AND ELEVATOR. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO ATTENTION OF THE DESIGN TEAM IMMEDIATELY.

AKRF
AKRF ENGINEERING, P.C.
440 PARK AVENUE SOUTH
NEW YORK, NY 10016
(212) 696-0670 (PHONE)
(212) 726-0942 (FAX)

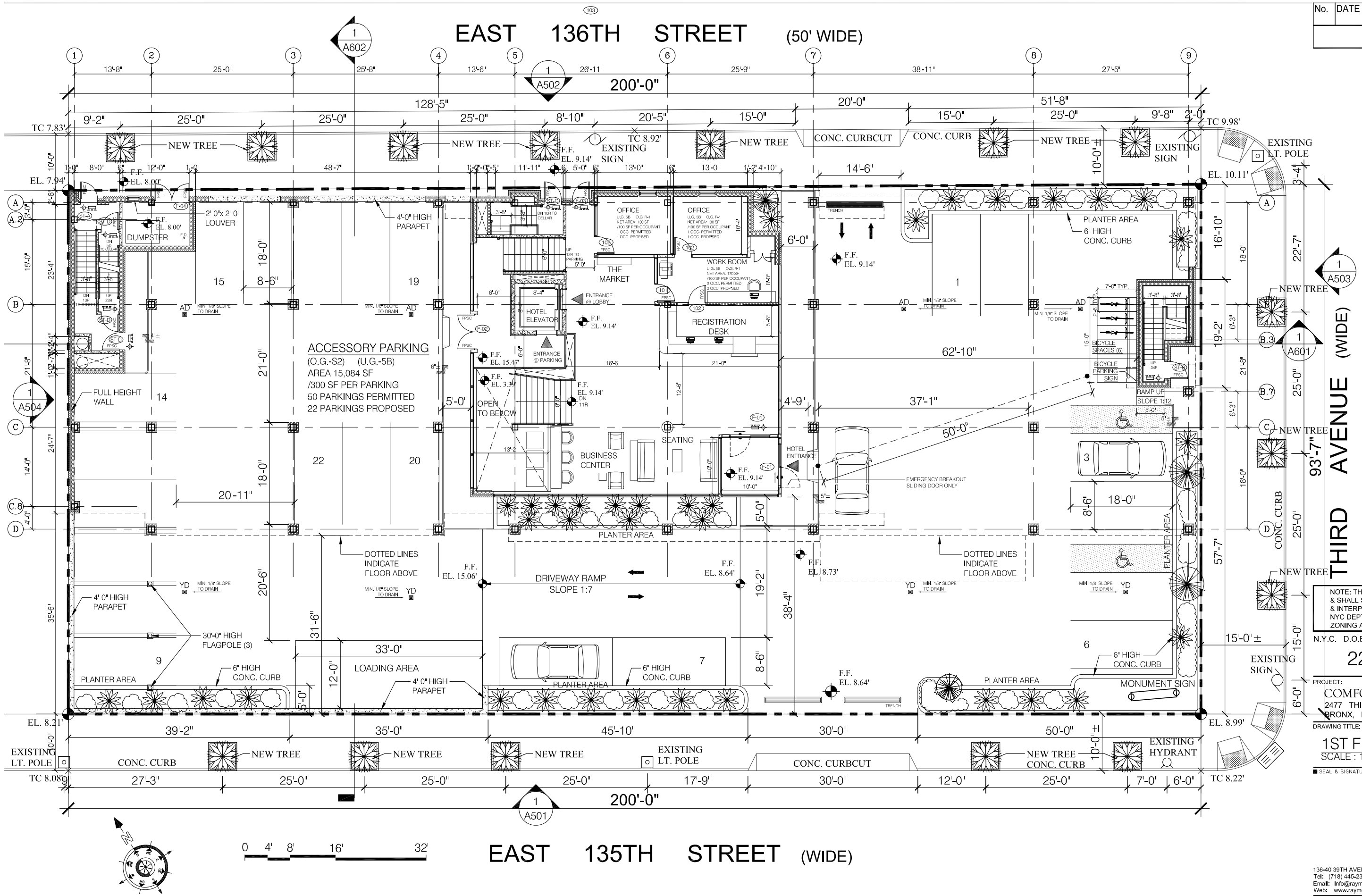
PROJECT
2477 THIRD AVENUE
BRONX, NY

DRAWN BY	CHECKED BY
JS	AS
SCALE	DATE
APPX. 1" = 20'	03/07/11

SHEET TITLE
SITE PLAN

SHEET NO.
2

No.	DATE	DESCRIPTION



NOTE: THIS IS A SCHEMATIC DESIGN & SHALL SUBJECT TO REVIEW & INTERPRETATION BY NYC DEPT. OF BLDGS ON ZONING AND BUILDING CODES.

N.Y.C. D.O.B. NO. :

220041684

PROJECT:

COMFORT INN & SUITE
2477 THIRD AVENUE
BRONX, NY

DRAWING TITLE:

1ST FLOOR PLAN
SCALE : 1/8" = 1'-0"

SEAL & SIGNATURE:

RAYMOND CHAN ARCHITECT P.C.
ARCHITECTS • PLANNERS

136-40 39TH AVENUE FLUSHING, NEW YORK 11354
Tel: (718) 445-2345 Fax: (718) 359-8809
Email: info@raymondchanarchitect.com
Web: www.raymondchanarchitect.com

DATE:	07/22/2010	DWG. No.:
PROJECT No.:	2846	A-102.00
PROJECT MANAGER:	RCA	09-OF-23
DRAWN BY:		
CADD FILE NO.: 2477 THIRD AVENUE (2846)		DOB USE ONLY

APPENDIX B

SOIL BORING GEOLOGIC LOGS

AKRF, Inc.

Environmental Consultants

440 Park Avenue South - 7th Floor
New York, NY

2477 Third Avenue - Bronx, NY

AKRF Project Number - 11160

Boring No. SB/MW-1

Sheet 1 of 1

Drilling Method: Direct Push
Sampling Method: Macro Core
Driller : Paragon
Weather: 30 Overcast
Sampler: AKRF/ Steve Grens

Drilling	
Start	**Finish**
Time: 0800	**Time:** 0846
Date: 1/27/09	**Date:** 1/27/09

Depth (feet)	Recovery (Inches)	Surface Condition: Top Soil	PID Reading (ppm)	Odor	Moisture	Comments
1	39"	Top 16": Fine GRAVEL, some brown fine Sand, Glass, Brick, ceramic Tile (FILL) Bottom 23": BRICK (FILL).	ND	No Odor	Dry	
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4			ND	No Odor	Dry	
5	12"	Top 10": BRICK (FILL). Bottom 2": CONCRETE (FILL).	ND	No Odor	Dry	
6			ND	No Odor	Dry	
7						
8						
9	26"	Top 13":Brown fine to medium SAND and SILT, some Brick, black Felt, Glass (FILL) Bottom 13": Dark brown SAND, trace Silt.	ND	No Odor	Dry	
10			ND	No Odor	Wet	SB-1 (8'-9')
11			ND	No Odor	Wet	
12						
13	40"	Dark brown medium coarse SAND, trace Silt.	ND	No Odor	Wet	MW-1 Groundwater
14			ND	No Odor	Wet	
15			ND	No Odor	Wet	
16			ND	No Odor	Wet	
17		End of boring at 16 feet below grade. Temporary one-inch microwell installed at approximately 22 feet below grade.				
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

Notes: **PID - Photoionization detector** **ND - Not Detected** **NAPL - Non-aqueous phase liquid**

Groundwater encountered at approximately 9 feet below grade in geoprobe sample liner.
Groundwater encountered at 9.3 feet below grade in micro-well prior to groundwater sampling.
Soil sample SB-1 (8'-9') submitted to lab and analyzed for TCL VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides(8081) and TAL metals (6010/7471).
Groundwater sample MW-1 submitted to lab and analyzed for TCL VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides(8081) and TAL metals (6010/7471).
No NAPL detedted using the oil/water interface probe.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South - 7th Floor
New York, NY

2477 Third Avenue - Bronx, NY

AKRF Project Number - 11160

Boring No. SB/MW-2

Sheet 1 of 1

Drilling Method: Direct Push
Sampling Method: Macro Core
Driller : Paragon
Weather: 30 Overcast
Sampler: AKRF/ Steve Grens

Drilling	
Start	**Finish**
Time: 0900	**Time:** 0930
Date: 1/27/09	**Date:** 1/27/09

Depth (feet)	Recovery (Inches)	Surface Condition: Top Soil	PID Reading (ppm)	Odor	Moisture	Comments
1	38"	Top 2": ASPHALT. Middle 2": CONCRETE (FILL). Middle 8": Brown fine SAND and SILT, trace Brick (FILL). Bottom 27": Brown fine SAND and SILT.	ND	No Odor	Dry	
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4			ND	No Odor	Dry	
5	38"	Brown fine SAND and SILT.	ND	No Odor	Dry	SB-2 (6'-7')
6			ND	No Odor	Dry	
7			ND	No Odor	Dry	
8			ND	No Odor	Wet	
9	33"	Brown fine SAND and SILT.	ND	No Odor	Wet	MW-2 Groundwater
10			ND	No Odor	Wet	
11			ND	No Odor	Wet	
12						
13		End of boring at 12 feet below grade. Temporary one-inch microwell installed at approximately 16 feet below grade.				
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

Notes: **PID - Photoionization detector** **ND - Not Detected** **NAPL - Non-aqueous phase liquid**

Groundwater encountered at approximately 7 feet below grade in geoprobe sample liner.
Groundwater encountered at 7.4 feet below grade in micro-well prior to groundwater sampling.
Soil sample SB-2 (6'-7') submitted to lab and analyzed for TCL VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides(8081) and TAL metals (6010/7471).
Groundwater sample MW-2 submitted to lab and analyzed for TCL VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides(8081) and TAL metals (6010/7471).
No NAPL detedted using the oil/water interface probe.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South - 7th Floor
New York, NY

2477 Third Avenue - Bronx, NY

AKRF Project Number - 11160

Boring No. SB/MW-3

Sheet 1 of 1

Drilling Method: Direct Push
Sampling Method: Macro Core
Driller : Paragon
Weather: 30 Overcast
Sampler: AKRF/ Steve Grens

Drilling	
Start	**Finish**
Time: 1030	**Time:** 1100
Date: 1/27/09	**Date:** 1/27/09

Depth (feet)	Recovery (Inches)	Surface Condition: Top Soil	PID Reading (ppm)	Odor	Moisture	Comments
1	30"	Top 10": GLASS, BRICK, ASH, some silty Sand (FILL). Middle 12": Brown coase SAND, some Brick, Coal Slag, Glass (FILL). Bottom 8": BRICK (FILL).	ND	No Odor	Dry	
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4				No Odor	Dry	
5	38"	Top 4": GRAVEL and BRICK (FILL), some coarse brown Sand, trace Ash (FILL). Middle 8": Black SAND, some Silt (FILL). Bottom 26": Light brown SAND, trace Silt. Petroleum-like odor and sheen noted on groundwater.	ND	No Odor	Dry	SB-3 (6'-7')
6			ND	Petroleum-like odor at middle 8"	Dry	
7			ND	No Odor	Wet	
8						
9	40"	Top 2": Black SAND, some Silt. Middle 38": BRICK and GRAVEL, some Sand.	ND	Petroleum-like odor at top 2"	Wet	MW-3 Groundwater
10			ND		Wet	
11			ND	No Odor	Wet	
12			ND	No Odor	Wet	
13		End of boring at 12 feet below grade. Temporary one-inch microwell installed at approximately 16 feet below grade.				
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

Notes: **PID - Photoionization detector** **ND - Not Detected** **NAPL - Non-aqueous phase liquid**

Groundwater encountered at approximately 7 feet below grade in geoprobe sample liner.
Groundwater encountered at 7.8 feet below grade in micro-well prior to groundwater sampling.
Soil sample SB-3 (6'-7') submitted to lab and analyzed for TCL VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides(8081) and TAL metals (6010/7471).
Groundwater sample MW-3 submitted to lab and analyzed for TCL VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides(8081) and TAL metals (6010/7471).
No NAPL detedted using the oil/water interface probe.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South - 7th Floor
New York, NY

2477 Third Avenue - Bronx, NY

AKRF Project Number - 11160

Boring No. SB-4

Sheet 1 of 1

Drilling Method: Direct Push
Sampling Method: Macro Core
Driller : Paragon
Weather: 30 Overcast
Sampler: AKRF/ Steve Grens

Drilling	
Start	**Finish**
Time: 1115	**Time:** 1210
Date: 1/27/09	**Date:** 1/27/09

Depth (feet)	Recovery (Inches)	Surface Condition: Top Soil	PID Reading (ppm)	Odor	Moisture	Comments
1	32"	Top 2": TOP SOIL (FILL). Middle 18": BRICK, GLASS, CONCRETE, some brown Sand, Silt (FILL). Bottom 12": CONCRETE and BRICK (FILL).	ND	No Odor	Dry	
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4						
5	41"	Top 21": Brown fine SAND and SILT, some Brick, Coal Slag, Ash (FILL). Bottom 20": Brown SAND, trace Silt.	ND	No Odor	Dry	SB-4 (7'-8')
6			ND	No Odor	Dry	
7			ND	No Odor	Dry	
8			ND	No Odor	Wet	
9	46"	Light brown SAND, trace Silt.	ND	No Odor	Wet	
10			ND	No Odor	Wet	
11			ND	No Odor	Wet	
12			ND	No Odor	Wet	
13		End of boring at 12 feet below grade. Temporary one-inch microwell installed at approximately 16 feet below grade.				
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
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26						
27						
28						
29						
30						

Notes: **PID - Photoionization detector** **ND - Not Detected** **NAPL - Non-aqueous phase liquid**

Groundwater encountered at approximately 8 feet below grade in geoprobe sample liner.
Soil sample SB-4 (7'-8') submitted to lab and analyzed for TCL VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides(8081) and TAL metals (6010/7471).

AKRF, Inc.

Environmental Consultants

440 Park Avenue South - 7th Floor
New York, NY

2477 Third Avenue - Bronx, NY

AKRF Project Number - 11160

Boring No. SB-5

Sheet 1 of 1

Drilling Method: Direct Push
Sampling Method: Macro Core
Driller : Paragon
Weather: 30 Overcast
Sampler: AKRF/ Steve Grens

Drilling	
Start	**Finish**
Time: 1215	**Time:** 1330
Date: 1/27/09	**Date:** 1/27/09

Depth (feet)	Recovery (Inches)	Surface Condition: Top Soil	PID Reading (ppm)	Odor	Moisture	Comments
1	38"	Top 30": BRICK, CONCRETE, GLASS, some brown fine Sand, Silt (FILL). Bottom 8": ASH, COAL SLAG (FILL).	ND	No Odor	Dry	
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4						
5	32"	Top 28": BRICK, CONCRETE, COAL SLAG (FILL). Bottom 4": Brown fine SAND, trace Silt.	ND	No Odor	Dry	
6			ND	No Odor	Dry	
7			ND	No Odor	Dry	
8			ND	No Odor	Dry	
9	40"	Top 4": Brick, some fine silty Sand. Middle 28": Black silty SAND. Bottom 8": Light brown fine SILTY SAND.	ND	Petroleum-like odor from 8'-12'	Dry	SB-5 (9'-10')
10			ND		Dry	
11			ND		Wet	
12			ND		Wet	
13		End of boring at 12 feet below grade. Temporary one-inch microwell installed at approximately 16 feet below grade.				
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

Notes: **PID - Photoionization detector** **ND - Not Detected** **NAPL - Non-aqueous phase liquid**

Groundwater encountered at approximately 10.5 feet below grade in geoprobe sample liner.
Soil sample SB-5 (9'-10') submitted to lab and analyzed for TCL VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides(8081) and TAL metals (6010/7471).

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440 Park Avenue South - 7th Floor
New York, NY

2477 Third Avenue - Bronx, NY

AKRF Project Number - 11160

Boring No. SB/MW-6

Sheet 1 of 1

Drilling Method: Direct Push
Sampling Method: Macro Core
Driller : Paragon
Weather: 30 Overcast
Sampler: AKRF/ Steve Grens

Drilling	
Start	**Finish**
Time: 0930	**Time:** 1000
Date: 1/27/09	**Date:** 1/27/09

Depth (feet)	Recovery (Inches)	Surface Condition: Top Soil	PID Reading (ppm)	Odor	Moisture	Comments
1	25"	Top 11": Brown fine SAND, some Silt, Brick, trace Glass (FILL) Middle 6": BRICK, some dark brown SILTY SAND, trace Ash. Bottom 8": Brown fine SAND and SILT, trace Brick.	ND ND ND	No Odor No Odor No Odor	Dry Dry Dry	
2						
3						
4						
5	36"	Top 11": BRICK, some brown fine Sand, Silt, trace Ash, Concrete (FILL). Middle 18": Reddish/brown SAND, trace Coal Slag (FILL). Bottom 8": Brown fine SAND.	ND ND ND	No Odor No Odor No Odor	Dry Dry Wet	
6						
7						
8						
9	42"	Top 12": BRICK (FILL). Middle 28": Black/gray fine SAND and SILT. Bottom 2": Brown SAND. Petroleum-like sheen and odors noted on soil (9'-12') and groundwater.	ND ND ND ND	Petroleum-like odor from 9'-12'	Dry Dry Wet Wet	SB-6 (9'-10') / MW-6 Groundwater
10						
11						
12						
13		End of boring at 12 feet below grade. Temporary one-inch microwell installed at approximately 16 feet below grade.				
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

Notes: **PID - Photoionization detector** **ND - Not Detected** **NAPL - Non-aqueous phase liquid**

Groundwater encountered at approximately 10 feet below grade in geoprobe sample liner.
Groundwater encountered at 9.62 feet below grade in micro-well prior to groundwater sampling.
Soil sample SB-6 (9'-10') submitted to lab and analyzed for TCL VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides(8081) and TAL metals (6010/7471).
Groundwater sample MW-6 submitted to lab and analyzed for TCL VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides(8081) and TAL metals (6010/7471).
No NAPL detedted using the oil/water interface probe.

AKRF, Inc.

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440 Park Avenue South - 7th Floor
New York, NY

2477 Third Avenue - Bronx, NY

AKRF Project Number - 11160

Boring No. SB-7

Sheet 1 of 1

Drilling Method: Direct Push
Sampling Method: Macro Core
Driller : Paragon
Weather: 30 Overcast
Sampler: AKRF/ Steve Grens

Drilling	
Start	**Finish**
Time: 1345	**Time:** 1430
Date: 1/27/09	**Date:** 1/27/09

Depth (feet)	Recovery (Inches)	Surface Condition: Top Soil	PID Reading (ppm)	Odor	Moisture	Comments
1	40"	BRICK, CONCRETE, GLASS, ASH, COAL SLAG, trace brown silty Sand (FILL)	ND	No Odor	Dry	
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4			ND	No Odor	Dry	
5	38"	Top 26": BRICK, CONCRETE, GLASS, ASH, COAL SLAG, trace brown Silty Sand (FILL). Bottom 12": Brown SAND, trace Silt.	ND	No Odor	Dry	SB-7 (6'-7')
6			ND	No Odor	Dry	
7			ND	No Odor	Dry	
8			ND	No Odor	Wet	
9	42"	Brown SAND, trace Silt.	ND	No Odor	Wet	
10			ND	No Odor	Wet	
11			ND	No Odor	Wet	
12			ND	No Odor	Wet	
13		End of boring at 12 feet below grade. Temporary one-inch microwell installed at approximately 16 feet below grade.				
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

Notes: **PID - Photoionization detector** **ND - Not Detected** **NAPL - Non-aqueous phase liquid**

Groundwater encountered at approximately 7 feet below grade in geoprobe sample liner.
Soil sample SB-7 (6'-7') submitted to lab and analyzed for TCL VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides(8081) and TAL metals (6010/7471).

AKRF, Inc.

Environmental Consultants

440 Park Avenue South - 7th Floor
New York, NY

2477 Third Avenue - Bronx, NY

AKRF Project Number - 11160

Boring No. SB/MW-8

Sheet 1 of 1

Drilling Method: Direct Push
Sampling Method: Macro Core
Driller : Paragon
Weather: 30 Overcast
Sampler: AKRF/ Steve Grens

Drilling	
Start	**Finish**
Time: 1440	**Time:** 1530
Date: 1/27/09	**Date:** 1/27/09

Depth (feet)	Recovery (Inches)	Surface Condition: Top Soil	PID Reading (ppm)	Odor	Moisture	Comments
1 2 3 4	4"	COAL SLAG, BRICK, ASH (FILL).	ND	No Odor	Dry	
5 6 7 8	22"	BRICK, COAL SLAG, GLASS, ASH, some brown silty Sand (FILL).	ND ND	No Odor No Odor	Dry Dry	
9 10 11 12	48"	Top 8":BRICK, COAL SLAG, GLASS, ASH, some brown silty Sand (FILL). Bottom 40": Brown SAND, trace Silt.	ND ND ND ND	No Odor No Odor No Odor No Odor	Dry Wet Wet Wet	SB-8 (8'-9') / MW-8 Groundwater
13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		End of boring at 12 feet below grade. Temporary one-inch microwell installed at approximately 16 feet below grade.				

Notes: **PID - Photoionization detector** **ND - Not Detected** **NAPL - Non-aqueous phase liquid**

Groundwater encountered at approximately 9 feet below grade in geoprobe sample liner.
Groundwater encountered at 9.2 feet below grade in micro-well prior to groundwater sampling.
Soil sample SB-8 (8'-9') submitted to lab and analyzed for TCL VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides(8081) and TAL metals (6010/7471).
Groundwater sample MW-8 submitted to lab and analyzed for TCL VOCs (8260), SVOCs (8270), PCBs (8082), Pesticides(8081) and TAL metals (6010/7471).
No NAPL detedted using the oil/water interface probe.

SOIL BORING LOG

2477 Third Ave, Bronx, NY

AKRF Project Number: 11160

Boring No. **SB-9**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Remote Geoprobe
Sampling Method: 2" Macrocore/Acetate Line
Driller : Zebra/John D
Sampler: **AKRF/Matt Oleske**

Drilling			
Start		**Finish**	
Time	9:05	**Time**	9:09
Date			2/17/2011
Weather:	Clear, 48F		

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition: Grass**	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	24"		Top 6": Brown SAND, little fine Gravel, plant, wood (Mulch/FILL).	None	Dry	ND	ND	SB-9(0-2')
2			Middle 12": Brown SAND, little red Brick, Gravel, trace Wood, Glass (FILL).	None	Dry	ND	ND	
3			Bottom 6": Light brown SAND, little fine Gravel, trace red Brick, Asphalt (FILL).	None	Dry	ND	ND	
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Notes: **ND = Not Detected**

Groundwater was not encountered in this boring, EOB at 24" below ground surface, according to Scope of Work. Collected sample SB-9(0-2') @ 0920 for laboratory analysis of TCL VOC (8260), TCL SVOC (8270), Pesticides (8081), Polychlorinated Biphennyls (8082), and TAL Metals (6000/7000).

SOIL BORING LOG

2477 Third Ave, Bronx, NY

AKRF Project Number: 11160

Boring No. **SB-10**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Remote Geoprobe
Sampling Method: 2" Macrocore/Acetate Line
Driller : Zebra/John D
Sampler: **AKRF/Matt Oleske**

Drilling			
Start		**Finish**	
Time	9:20	**Time**	9:25
Date			2/17/2011
Weather:	Clear, 48F		

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition: Grass**	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	24"		Top 6": Brown SAND, little Plant, Wood, fine Gravel, trace red Brick (FILL).	None	Dry	ND	ND	SB-10(0-2')
2			Bottom 18": Light brown SAND, some red Brick, little fine Gravel, trace Concrete, Wood, Glass (FILL).	None	Dry	ND	ND	
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Notes: **ND = Not Detected**

Groundwater was not encountered in this boring, EOB at 24" below ground surface, according to Scope of Work. Collected sample SB-10(0-2') @ 0930 for laboratory analysis of TCL VOC (8260), TCL SVOC (8270), Pesticides (8081), Polychlorinated Biphennyls (8082), and TAL Metals (6000/7000).

SOIL BORING LOG

2477 Third Ave, Bronx, NY

AKRF Project Number: 11160

Boring No. **SB-11**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Remote Geoprobe
Sampling Method: 2" Macrocore/Acetate Line
Driller : Zebra/John D
Sampler: **AKRF/Matt Oleske**

Drilling			
Start		**Finish**	
Time	9:50	**Time**	9:57
Date			2/17/2011
Weather:	Clear, 48F		

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition: Grass**	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	24"		Top 3": Brown SAND, little fine Gravel, red Brick, trace Wood, Plant, Glass (FILL).	None	Dry	ND	ND	SB-11(0-2')
2			Bottom 21": Light brown SAND, little red Brick, fine Gravel, Concrete, trace Asphalt, Glass (FILL).	None	Dry	ND	ND	
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Notes: **ND = Not Detected**

Groundwater was not encountered in this boring, EOB at 24" below ground surface, according to Scope of Work. Collected sample SB-11(0-2') @ 1010 for laboratory analysis of TCL VOC (8260), TCL SVOC (8270), Pesticides (8081), Polychlorinated Biphennyls (8082), and TAL Metals (6000/7000).

SOIL BORING LOG

2477 Third Ave, Bronx, NY

AKRF Project Number: 11160

Boring No. **SB-12**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Remote Geoprobe
Sampling Method: 2" Macrocore/Acetate Line
Driller : Zebra/John D
Sampler: **AKRF/Matt Oleske**

Drilling			
Start		**Finish**	
Time	10:17	**Time**	10:22
Date			2/17/2011
Weather:	Clear, 48F		

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition: Grass**	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	24"		Top 12": Brown SAND, little fine Gravel, red Brick, trace Wood, Plant, Glass (FILL).	None	Dry	ND	ND	SB-12(0-2')
2			Bottom 12": Light brown SAND, little red Brick, fine Gravel (FILL).	None	Dry	ND	ND	
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Notes: **ND = Not Detected**

Groundwater was not encountered in this boring, EOB at 24" below ground surface, according to Scope of Work. Collected sample SB-12(0-2') @ 1035 for laboratory analysis of TCL VOC (8260), TCL SVOC (8270), Pesticides (8081), Polychlorinated Biphennyls (8082), and TAL Metals (6000/7000).

SOIL BORING LOG

2477 Third Ave, Bronx, NY

AKRF Project Number: 11160

Boring No. **SB-13**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Remote Geoprobe
Sampling Method: 2" Macrocore/Acetate Line
Driller : Zebra/John D
Sampler: **AKRF/Matt Oleske**

Drilling			
Start		**Finish**	
Time	11:15	**Time**	11:18
Date			2/17/2011
Weather:	Clear, 48F		

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition: Grass**	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	24"		Top 6": Dark brown SAND, little Wood, plant, fine Gravel, trace Asphalt (FILL).	None	Dry	ND	ND	SB-13(0-2')
2			Upper middle 3": CONCRETE and fine GRAVEL (FILL).					
			Middle 3": Brown SAND, little red Brick, fine Gravel, trace Concrete (FILL).	None	Dry	ND	ND	
3			Lower Middle 4": Fine GRAVEL and coarse SAND.					
4			Bottom 8": Brown fine SAND, little fine Gravel, trace red Brick (FILL).	None	Dry	ND	ND	
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Notes: **ND = Not Detected**

Groundwater was not encountered in this boring, EOB at 24" below ground surface, according to Scope of Work. Collected sample SB-13(0-2') @ 1125 for laboratory analysis of TCL VOC (8260), TCL SVOC (8270), Pesticides (8081), Polychlorinated Biphennyls (8082), and TAL Metals (6000/7000).

SOIL BORING LOG

2477 Third Ave, Bronx, NY

AKRF Project Number: 11160

Boring No. **SB-14**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Remote Geoprobe
Sampling Method: 2" Macrocore/Acetate Line
Driller : Zebra/John D
Sampler: **AKRF/Matt Oleske**

Drilling			
Start		**Finish**	
Time	11:24	**Time**	11:31
Date			2/17/2011
Weather:	Clear, 48F		

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition: Grass**	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	24"		Top 8": Dark brown SAND, little fine Gravel, red Brick, trace Plant, Wood (FILL).	None	Dry	ND	ND	SB-14(0-2')
2			Middle 1": CONCRETE over Waterproofing (Flooring?)	None	Dry	ND	ND	
3			Bottom 15": Brown SAND, little fine Gravel, red Brick, gray/white coarse Sand (FILL).	None	Dry	ND	ND	
4								
5								
6								
7								
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10								
11								
12								
13								
14								
15								
16								

Notes: **ND = Not Detected**

Groundwater was not encountered in this boring, EOB at 24" below ground surface, according to Scope of Work. Collected sample SB-14(0-2') @ 1135 for laboratory analysis of TCL VOC (8260), TCL SVOC (8270), Pesticides (8081), Polychlorinated Biphennyls (8082), and TAL Metals (6000/7000).

SOIL BORING LOG

2477 Third Ave, Bronx, NY

AKRF Project Number: 11160

Boring No. **SB-15**

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (212) 696-0670 Fax (212) 726-0942

Drilling Method: Remote Geoprobe
Sampling Method: 2" Macrocore/Acetate Line
Driller : Zebra/John D
Sampler: **AKRF/Matt Oleske**

Drilling			
Start		**Finish**	
Time	11:42	**Time**	11:50
Date			2/17/2011
Weather:	Clear, 48F		

Depth (feet)	Recovery (Inches)	Soil Type	**Surface Condition: Grass**	Odor	Moisture	PID	NAPL	Samples Collected for Lab Analysis
1	24"		Top 8": Dark brown SAND, little fine Gravel, red Brick, trace Glass, Plant, Wood, Asphalt (FILL).	None	Dry	ND	ND	SB-15(0-2')
2			Bottom 16": Brown SAND, trace red Brick, fine Gravel (FILL).	None	Dry	ND	ND	
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

Notes: **ND = Not Detected**

Groundwater was not encountered in this boring, EOB at 24" below ground surface, according to Scope of Work. Collected sample SB-15(0-2') @ 1200 for laboratory analysis of TCL VOC (8260), TCL SVOC (8270), Pesticides (8081), Polychlorinated Biphennyls (8082), and TAL Metals (6000/7000).

APPENDIX C

SOIL VAPOR SAMPLING LOGS

AKRF, Inc.
Environmental Consultants

Soil Gas Sampling Log

Job No:	11160	**Client:**	For OER/BCP
Project Location:	2477 Third Ave, Bronx, NY	**Sampled By:**	M.O.
Date:	2/17/2011		

Sample ID: SG-1

Canister ID: 1690

Flow Controller ID: 0381

Purging

Time Started: 12:10

Time Stopped: 12:20

Vol. Purged: 1.0 liters

Flow Rate: 0.1 L/min

Laboratory Sample (Summa Canister)

Time Started:	12:22	**Vacuum:**	-29.72 inHg
Time Stopped:	13:22	**Vacuum:**	-4.57 inHg

Field Sample

PID Calibration: Yes, to 99.7ppm with 100 ppm isobutylene

Time Started: 12:20

Time Stopped: 12:21

PID Reading: ND ppm

He Reading (25ppm) = 0.0025 %

AKRF, Inc.
Environmental Consultants

Soil Gas Sampling Log

Job No:	11160	**Client:**	For OER/BCP
Project Location:	2477 Third Ave, Bronx, NY	**Sampled By:**	M.O.
Date:	2/17/2011		

Sample ID: SG-2

Canister ID: 965

Flow Controller ID: 0236

Purging

Time Started: 12:24

Time Stopped: 12:34

Vol. Purged: 1.0 liters

Flow Rate: 0.1 L/min

Laboratory Sample (Summa Canister)

Time Started:	12:37	**Vacuum:**	-29.90 inHg
Time Stopped:	13:37	**Vacuum:**	-5.64 inHg

Field Sample

PID Calibration: Yes, to 99.7ppm with 100 ppm isobutylene

Time Started: 12:35

Time Stopped: 12:36

PID Reading: ND ppm

He Reading ND %

AKRF, Inc.
Environmental Consultants

Soil Gas Sampling Log

Job No:	11160	**Client:**	For OER/BCP
Project Location:	2477 Third Ave, Bronx, NY	**Sampled By:**	M.O.
Date:	2/17/2011		

Sample ID: SG-3

Canister ID: 1594

Flow Controller ID: 0154

Purging

Time Started: 12:45

Time Stopped: 12:55

Vol. Purged: 1.0 liters

Flow Rate: 0.1 L/min

Laboratory Sample (Summa Canister)

Time Started:	12:58	**Vacuum:**	-29.95 inHg
Time Stopped:	13:58	**Vacuum:**	-6.30 inHg

Field Sample

PID Calibration: Yes, to 99.7ppm with 100 ppm isobutylene

Time Started: 12:56

Time Stopped: 12:57

PID Reading: ND ppm

He Reading (25ppm) = 0.0025 %

APPENDIX D

HEALTH AND SAFETY PLAN

HEALTH AND SAFETY PLAN

2477 Third Avenue
Bronx, New York

Prepared by:
AKRF
440 Park Avenue South, 7th Floor
New York, NY 10016
(212) 696-0670

Prepared for:
Jiten LLC
207 East 74thStreet
New York, NY 10021

FEBRUARY 2011

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FIGURES

Figure 1 – Project Site Location and Nearest Hospital

1.0 INTRODUCTION

A Supplemental Subsurface (Phase II) Investigation will be conducted at the 2477 Third Avenue property in the Bronx, New York to ascertain shallow soil conditions and characterize subsurface soil gas. The proposed investigation includes the advancement of shallow soil borings and the collection of soil and soil gas samples for laboratory analysis. This environmental HASP has been developed for implementation of site investigation activities conducted by all personnel on-site, both AKRF employees and others. This HASP does not discuss other routine health and safety issues common to general construction/excavation, including but not limited to slips, trips, falls, shoring, and other physical hazards.

All AKRF employees are directed that all work must also be performed in accordance with the Company's Generic HASP and all OSHA applicable regulations for the work activities required for the project. All project personnel are furthermore directed that they are not permitted to enter Permit Required Confined Spaces (as defined by OSHA). For issues unrelated to contaminated materials, all non-AKRF employees are to be bound by all applicable OSHA regulations as well as any more stringent requirements specified by their employer in their corporate HASP or otherwise. AKRF is not responsible for providing oversight for issues unrelated to contaminated materials for non-employees. This oversight shall be the responsibility of the employer of that worker or other official designated by that employer. A Route to Hospital map is provided as Figure 1.

2.0 HEALTH AND SAFETY GUIDELINES AND PROCEDURES

2.1 Hazard Evaluation

2.1.1 Hazards of Concern

Check all that apply		
(X) Organic Chemicals	(X) Inorganic Chemicals	( ) Radiological
( ) Biological	( ) Explosive/Flammable	( ) Oxygen Deficient Atm
( ) Heat Stress	(X) Cold Stress	( ) Carbon Monoxide
Comments: **No personnel are permitted to enter permit confined spaces.**		

2.1.2 Physical Characteristics

Check all that apply		
(X) Liquid	(X) Solid	( ) Sludge
(X) Vapors	(X) Unknown	( ) Other
Comments:		

2.1.3 Hazardous Materials

Check all that apply					
Chemicals	**Solids**	**Sludges**	**Solvents**	**Oils**	**Other**
( ) Acids	(X) Ash	( ) Paints	( ) Halogens	( ) Transformer	( ) Lab
( ) Caustics	( ) Asbestos	( ) Metals	(X) Petroleum	( ) Other DF	( ) Pharm
(X) Pesticides	( ) Tailings	( ) POTW	( ) Other	(X) Motor or Hydraulic Oil	( ) Hospital
(X) Petroleum	(X) Other	( ) Other		(X) Gasoline	( ) Rad
( ) Inks	Fill material			(X) Fuel Oil	( ) MGP
(X) PCBs					( ) Mold
(X) Metals					( ) Cyanide
(X)Other: VOCs & SVOCs					

2.1.4 Chemicals of Concern

Chemicals	REL/PEL/STEL (ppm)	Health Hazards
Benzene	REL = 0.1 ppm PEL = 1 ppm STEL = 5 ppm	Irritation eyes, skin, nose, respiratory system; dizziness; headache, nausea, staggered gait; anorexia, lassitude, dermatitis; bone marrow depression, potential occupational carcinogen.
Methyl Tert Butyl Ether (MTBE)	REL = 40 ppm	Headaches, nausea, dizziness, mental confusion, gastrointestinal irritation, liver and kidney damage, and nervous system effects.
Barium	PEL = 0.5 mg/m^3 REL = 0.5 mg/m^3	Vomiting, abdominal cramps, diarrhea, difficulties in breathing, increased or decreased blood pressure, numbness around the face, and muscle weakness, changes in heart rhythm or paralysis and death.
Ethylbenzene	REL = 100 ppm PEL = 100 ppm	Irritation eyes, skin, mucous membrane; headache; dermatitis; narcosis, coma.
Fuel Oil	REL = 350 mg/m^3 PEL = 400 ppm	Nausea, irritation – eyes, hypertension, headache, light-headedness, loss of appetite, poor coordination; long-term exposure – kidney damage, blood clotting problems; potential carcinogen.
Polycyclic Aromatic Hydrocarbons (PAHs)	PEL = 5 mg/m^3	Harmful effects to skin, bodily fluids, and ability to fight disease, reproductive problems; potential carcinogen.
Toluene	REL = 100 ppm PEL = 200 ppm STEL = 300 ppm	Irritation eyes, nose; lassitude, confusion, euphoria, dizziness, headache; dilated pupils, lacrimation (discharge of tears); anxiety, muscle fatigue, insomnia; paresthesia; dermatitis; liver, kidney damage.
Xylenes	REL = 100 ppm PEL = 100 ppm	Irritation eyes, skin, nose, throat; dizziness, excitement, drowsiness, poor coordination, staggering gait; corneal vacuolization; anorexia, nausea, vomiting, abdominal pain; dermatitis.
Comments: REL = National Institute for Occupational Safety and Health ("NIOSH") Recommended Exposure Limit PEL = OSHA Permissible Exposure Limit STEL = OSHA Short Term Exposure Limit		

2.2 Designated Personnel

AKRF will appoint one of its on-site personnel as the Site Safety Officer (SSO). This individual will be responsible for the implementation of the HASP. The SSO will have experience in implementation of air monitoring and hazardous materials sampling programs. Health and safety training required for the SSO and all field personnel is outlined in Section 2.3 of this HASP.

2.3 Training

All AKRF personnel who enter the work area while intrusive activities are being performed will have completed a 40-hour training course that meets OSHA requirements of 29 CFR Part 1910, Occupational Safety and Health Standards. All AKRF personnel shall also have up to date 8-hour refresher training. The training shall allow personnel to recognize and understand the potential hazards to health and safety. All field personnel must attend a training program, whose purpose is to:

- Make them aware of the potential hazards they may encounter;

- Provide the knowledge and skills necessary for them to perform the work with minimal risk to health and safety; Make them aware of the purpose and limitations of safety equipment; and
- Ensure that they can safely avoid or escape from emergencies.

Each member of the field crew will be instructed in the above objectives before he/she goes onto the site. A site safety meeting shall be conducted at the start of the project. Additional meetings shall be conducted, as necessary, for new personnel working at the site.

2.4 Medical Surveillance Program

All AKRF personnel performing field work involving subsurface disturbance at the site are required to have passed a complete medical surveillance examination in accordance with 29 CFR 1910.120 (f). A physician's medical release for work will be confirmed by the SSO before an employee can begin site activities. The medical release shall consider the type of work to be performed and the required PPE. The medical examination will, at a minimum, be provided annually and upon termination of hazardous waste site work.

2.5 Site Work Zones

During any activities involving subsurface disturbance, the work area must be divided into various zones to prevent the spread of contamination, ensure that proper protective equipment is donned, and provide an area for decontamination.

The Exclusion Zone is defined as the area where exposure to impacted media could be encountered. The Contamination Reduction Zone (CRZ) is the area where decontamination procedures take place and is located next to the Exclusion Zone. The Support is the zone area where support facilities such as vehicles, fire extinguisher, and first aid supplies are located. The emergency staging area (part of the Support Zone) is the area where all workers on-site would assemble in the event of an emergency. These zones may changed by SSO, depending on that day's activities. All field personnel will be informed of the location of these zones before work begins.

Task	**Exclusion Zone**	**CRZ**	**Support Zone**
Soil/Soil Gas Borings	10 ft from Drill Rig	25 ft from Drill Rig	As Needed
Comments:			

2.6 Air Monitoring

The purpose of the air monitoring program is to identify any exposure of the field personnel to potential environmental hazards in the soil and groundwater. Results of the air monitoring will be used to determine the appropriate response action, if needed.

2.6.1 Volatile Organic Compounds

A photoionization detector (PID) will be used to perform air monitoring during soil disturbance activities to determine airborne levels of total VOCs. The PID will be calibrated daily with a 100 ppm isobutylene standard.

2.6.2 Work Zone Air Monitoring

Real time air monitoring will be performed with the PID. Measurements will be taken prior to commencement of work and continuously during the work, as outlined in the following table. Measurements will be made as close to the workers as practicable and at the breathing height of the workers. The SSO shall set up the equipment and confirm that it is working properly. His/her designee may oversee the air measurements during the day. The initial measurement for the day will be performed before the start of work and will establish the background level for that day. The final measurement for the day will be performed after the end of work. The action levels and required responses are listed in the following table.

Instrument	Action Level	Response Action
PID	Less than 10 ppm in breathing zone	Level D or D-Modified
	Between 10 ppm and 500 ppm	Level C
	More than 500 ppm	Stop work. Resume work when readings are less then 500 ppm.

2.7 Personal Protection Equipment

The personal protection equipment required for various kinds of site investigation tasks are based on 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response, Appendix B, "General Description and Discussion of the Levels of Protection and Protective Gear."

AKRF field personnel and other site personnel shall wear, at a minimum, Level D personal protective equipment. The protection will be based on the air monitoring described in Section 2.6.

LEVEL OF PROTECTION & PPE		**Soil Sampling**
Level D (X) Steel Toe Shoes (X) Hard Hat (within 25 ft of drill rig/excavator) (X) Work Gloves	(X) Safety Glasses ( ) Face Shield (X) Ear Plugs (within 25 ft of drill rig/excavator) (X) Nitrile Gloves (X) Tyvek for drill operator if NAPL present	Yes
Level C *(in addition to Level D)* (X) Half-Face Respirator OR (X) Full Face Respirator ( ) Full-Face PAPR	( ) Particulate Cartridge ( ) Organic Cartridge (X) Dual Organic/ Particulate Cartridge	If PID > 10 ppm (breathing zone)
Comments: Cartridges to be changed out at least once per shift unless warranted beforehand (e.g., more difficult to breath or any odors detected).		

2.8 General Work Practices

To protect the health and safety of the field personnel, field personnel will adhere to the guidelines listed below during activities involving subsurface disturbance:

- Eating, drinking, chewing gum or tobacco, and smoking are prohibited, except in designated areas on the site. These areas will be designated by the SSO.
- Workers must wash their hands and face thoroughly on leaving the work area and before eating, drinking, or any other such activity.
- The workers should shower as soon as possible after leaving the site. Contact with contaminated or suspected surfaces should be avoided.
- The buddy system should always be used; each buddy should watch for signs of fatigue, exposure, and heat/cold stress.

3.0 EMERGENCY PROCEDURES AND EMERGENCY RESPONSE PLAN

The field crew will be equipped with emergency equipment, such as a first aid kit and disposable eye washes. In the case of a medical emergency, the SSO will determine the nature of the emergency and he/she will have someone call for an ambulance, if needed. If the nature of the injury is not serious, i.e., the person can be moved without expert emergency medical personnel, he/she should be driven to a hospital by on-site personnel. Directions to the hospital are provided below, and a hospital route map is attached.

3.1 HOSPITAL DIRECTIONS

Hospital Name:	Lincoln Medical and Mental Health Center
Phone Number:	(718) 579-5000
Address/Location:	234 East 149th Street – Bronx, New York (East 149th Street between Morris Avenue and Park Avenue)
Directions to ER:	Go EAST (RIGHT) on East 136th Street LEFT onto Lincoln Avenue Lincoln Avenue merges with Morris Avenue LEFT onto East 149th Street The hospital will be on the left

3.2 EMERGENCY CONTACTS

AKRF Project Director – Michelle Lapin……. ..... .(646) 388-9520 (office)
AKRF Project Manager – Axel Schwendt ..... (646) 388-9529 (office)
Site Safety Officer (SSO) – Steve Grens.....(347) 623-4495 (cell)
Client Project Manager – Daniele Cervino..... (973) 703-6578 (office)
Lincoln Medical and Mental Health Center ..... (718) 579-5000
Ambulance, Fire and Police Departments 911
NYSDEC Spill Response Team ..... (800) 457-7362

4.0 APPROVAL & ACKNOWLEDGMENTS OF HASP

APPROVAL

Signed: **Date:**

AKRF Project Manager

Signed: **Date**

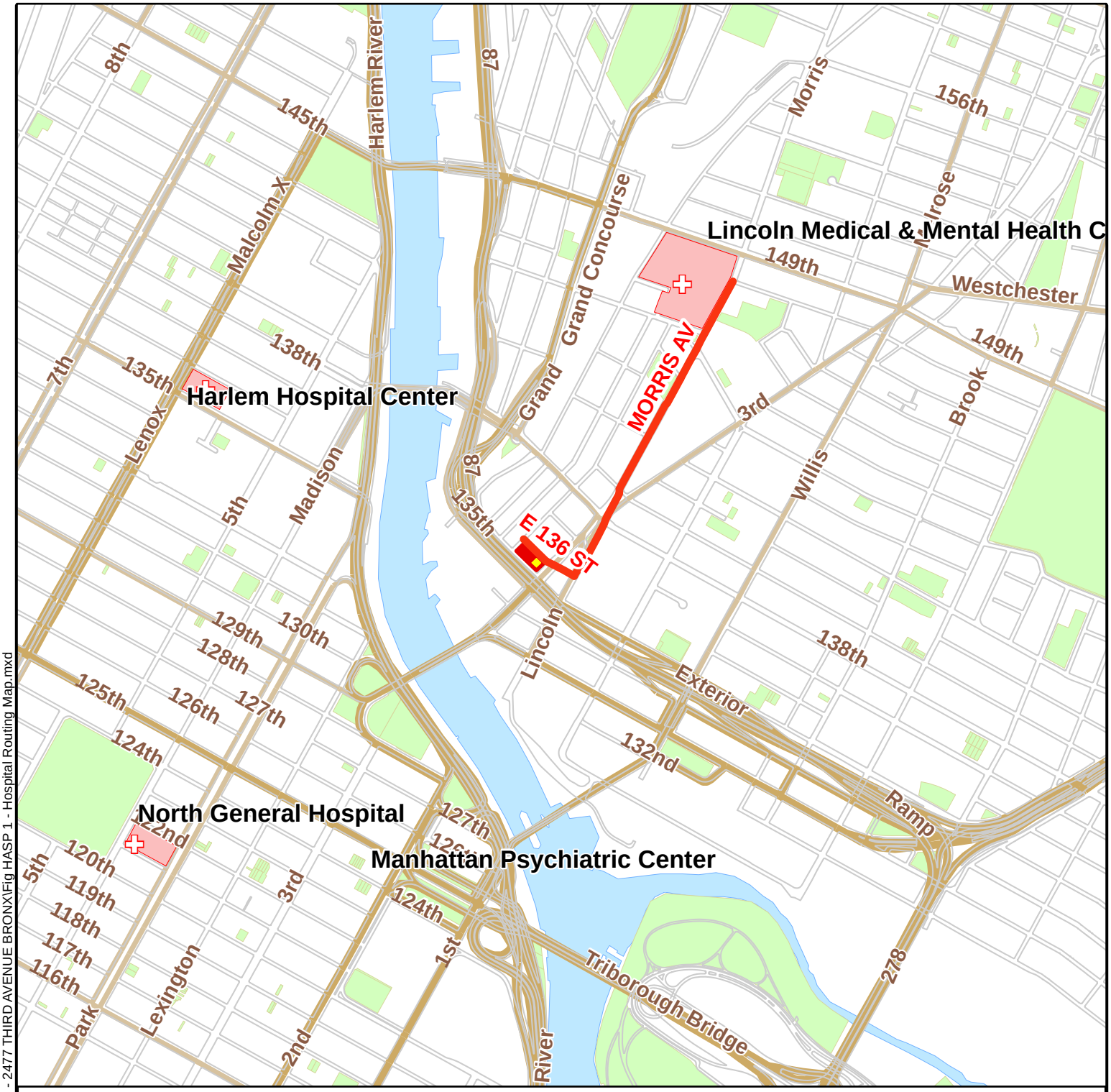
AKRF Health and Safety Officer

Below is an affidavit that must be signed by all workers who enter the site. A copy of the HASP must be on-site at all times and will be kept by the SSO.

AFFIDAVIT

I,_____(name), of_____(company name), have read the Health and Safety Plan (HASP) for the 2477 Third Avenue property. I agree to conduct all on-site work in accordance with the requirements set forth in this HASP and understand that failure to comply with this HASP could lead to my removal from the site.

Signed:	Company:	Date:
Signed:	Company:	Date:
Signed:	Company:	Date:
Signed:	Company:	Date:
Signed:	Company:	Date:
Signed:	Company:	Date:
Signed:	Company:	Date:
Signed:	Company:	Date:
Signed:	Company:	Date:
Signed:	Company:	Date:
Signed:	Company:	Date:
Signed:	Company:	Date:



Lincoln Medical and Mental Health Center
234 East 149th Street
Bronx, New York 10451
Tel. (718) 579-5000

0 0.5 Miles

2477 THIRD AVENUE BRONX, NEW YORK	AKRF	DATE **3.03.09**
		PROJECT No. **11160-005**
HOSPITAL LOCATION MAP	Environmental Consultants 440 Park Avenue South, New York, N.Y. 10016	FIGURE **HASP - 1**

©2009 AKRF, Inc. Environmental Consultants O:\Projects\11160 - 2477 THIRD AVENUE BRONX\Fig HASP 1 - Hospital Routing Map.mxd

APPENDIX E

LABORATORY DATA DELIVERABLES FOR SOIL ANALYTICAL DATA

ALPHA ANALYTICAL

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com
MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: AKRF, Inc.

Address: 440 Park Avenue South
New York, NY 10016

Attn: Mr. Axel Schwendt

Project Number: 11160

Laboratory Job Number: L0901109

Date Received: 28-JAN-2009

Date Reported: 09-FEB-2009

Delivery Method: Alpha

Site: 2477 3RD AVE

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0901109-01	SB-1 (8'-9')	BRONX
L0901109-02	SB-2 (6'-7')	BRONX
L0901109-03	SB-6 (9'-10')	BRONX
L0901109-04	SB-3 (6'-7')	BRONX
L0901109-05	SB-4 (7'-8')	BRONX
L0901109-06	SB-5 (9'-10')	BRONX
L0901109-07	SB-7 (6'-7')	BRONX
L0901109-08	SB-8 (8'-9')	BRONX

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Elizabeth A. Simmons
Technical Representative

ALPHA ANALYTICAL
NARRATIVE REPORT

Laboratory Job Number: L0901109

Report Submission

This report replaces the report issued on January 28, 2009. TIC's have been added to L0901109-03 and -06 for Volatile Organics and L0901109-01, -03 and -05 for Semivolatile Organics.

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Metals

L0901109-04 has elevated detection limits for Calcium and Zinc due to the 10x dilution required to quantitate the results within the calibration range.

L0901109-05 has an elevated detection limit for Calcium due to the 10x dilution required to quantitate the result within the calibration range.

The WG351345-4 MS recoveries associated with L0901109-01 are below the acceptance criteria for Antimony (54%) and Manganese (74%). A post digestion spike was performed with acceptable recoveries of Antimony 98% and Manganese 88%.

The WG351345-4 MS recoveries associated with L0901109-01 are invalid for Aluminum (168%) and Iron (0%) because the sample concentrations are greater than four times the spike amount added.

Volatile Organics

L0901109-03 and -06 have elevated detection limits due to the 400x dilutions required by the elevated concentrations of non-target compounds in the samples.

Semivolatile Organics

L0901109-01 has elevated detection limits due to the 10x dilution required by the sample matrix.

The WG351429-2 LCS/LCSD recoveries associated with L0901109-01 through -08 were above the acceptance criteria for 2,4-Dinitrotoluene (97%/92%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.

Semivolatile Organics-SIM

The following samples have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

L0901109-01: 40x

L0901109-03: 5x

L0901109-05 has elevated detection limits due to the 5x dilution required by the elevated concentrations of target compounds in the sample.

Pesticides

L0901109-04 has elevated detection limits due to the 5x dilution required by the elevated concentrations of non-target compounds in the sample.

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901109-01
SB-1 (8'-9')
Sample Matrix: SOIL

Date Collected: 27-JAN-2009 08:50
Date Received : 28-JAN-2009
Date Reported : 09-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	82	%	0.10	30	2540G		0131 16:00	NM
Total Metals								
Aluminum, Total	5800	mg/kg	5.8	1	6010B	0129 13:00	0202 09:04	MG
Antimony, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:04	MG
Arsenic, Total	0.87	mg/kg	0.58	1	6010B	0129 13:00	0202 09:04	MG
Barium, Total	23	mg/kg	0.58	1	6010B	0129 13:00	0202 09:04	MG
Beryllium, Total	0.29	mg/kg	0.29	1	6010B	0129 13:00	0202 09:04	MG
Cadmium, Total	ND	mg/kg	0.58	1	6010B	0129 13:00	0202 09:04	MG
Calcium, Total	850	mg/kg	5.8	1	6010B	0129 13:00	0202 09:04	MG
Chromium, Total	9.3	mg/kg	0.58	1	6010B	0129 13:00	0202 09:04	MG
Cobalt, Total	5.0	mg/kg	1.2	1	6010B	0129 13:00	0202 09:04	MG
Copper, Total	10	mg/kg	0.58	1	6010B	0129 13:00	0202 09:04	MG
Iron, Total	9900	mg/kg	2.9	1	6010B	0129 13:00	0202 09:04	MG
Lead, Total	3.4	mg/kg	2.9	1	6010B	0129 13:00	0202 09:04	MG
Magnesium, Total	2500	mg/kg	5.8	1	6010B	0129 13:00	0202 09:04	MG
Manganese, Total	78	mg/kg	0.58	1	6010B	0129 13:00	0202 09:04	MG
Mercury, Total	ND	mg/kg	0.10	1	7471A	0203 20:30	0204 10:55	EZ
Nickel, Total	34	mg/kg	1.4	1	6010B	0129 13:00	0202 09:04	MG
Potassium, Total	810	mg/kg	140	1	6010B	0129 13:00	0202 09:04	MG
Selenium, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:04	MG
Silver, Total	ND	mg/kg	0.58	1	6010B	0129 13:00	0202 09:04	MG
Sodium, Total	ND	mg/kg	120	1	6010B	0129 13:00	0202 09:04	MG
Thallium, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:04	MG
Vanadium, Total	12	mg/kg	0.58	1	6010B	0129 13:00	0202 09:04	MG
Zinc, Total	29	mg/kg	2.9	1	6010B	0129 13:00	0202 09:04	MG
Volatile Organics by EPA 8260B				1	8260B		0129 13:00	PD
Methylene chloride	ND	ug/kg	30.					
1,1-Dichloroethane	ND	ug/kg	4.6					
Chloroform	ND	ug/kg	4.6					
Carbon tetrachloride	ND	ug/kg	3.0					
1,2-Dichloropropane	ND	ug/kg	11.					
Dibromochloromethane	ND	ug/kg	3.0					
1,1,2-Trichloroethane	ND	ug/kg	4.6					
Tetrachloroethene	ND	ug/kg	3.0					
Chlorobenzene	ND	ug/kg	3.0					
Trichlorofluoromethane	ND	ug/kg	15.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-01
SB-1 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 13:00	PD
1,2-Dichloroethane	ND	ug/kg	3.0					
1,1,1-Trichloroethane	ND	ug/kg	3.0					
Bromodichloromethane	ND	ug/kg	3.0					
trans-1,3-Dichloropropene	ND	ug/kg	3.0					
cis-1,3-Dichloropropene	ND	ug/kg	3.0					
1,1-Dichloropropene	ND	ug/kg	15.					
Bromoform	ND	ug/kg	12.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.0					
Benzene	ND	ug/kg	3.0					
Toluene	ND	ug/kg	4.6					
Ethylbenzene	ND	ug/kg	3.0					
Chloromethane	ND	ug/kg	15.					
Bromomethane	ND	ug/kg	6.1					
Vinyl chloride	ND	ug/kg	6.1					
Chloroethane	ND	ug/kg	6.1					
1,1-Dichloroethene	ND	ug/kg	3.0					
trans-1,2-Dichloroethene	ND	ug/kg	4.6					
Trichloroethene	ND	ug/kg	3.0					
1,2-Dichlorobenzene	ND	ug/kg	15.					
1,3-Dichlorobenzene	ND	ug/kg	15.					
1,4-Dichlorobenzene	ND	ug/kg	15.					
Methyl tert butyl ether	ND	ug/kg	6.1					
p/m-Xylene	ND	ug/kg	6.1					
o-Xylene	ND	ug/kg	6.1					
cis-1,2-Dichloroethene	ND	ug/kg	3.0					
Dibromomethane	ND	ug/kg	30.					
Styrene	ND	ug/kg	6.1					
Dichlorodifluoromethane	ND	ug/kg	30.					
Acetone	63	ug/kg	30					
Carbon disulfide	ND	ug/kg	30.					
2-Butanone	ND	ug/kg	30.					
Vinyl acetate	ND	ug/kg	30.					
4-Methyl-2-pentanone	ND	ug/kg	30.					
1,2,3-Trichloropropane	ND	ug/kg	30.					
2-Hexanone	ND	ug/kg	30.					
Bromochloromethane	ND	ug/kg	15.					
2,2-Dichloropropane	ND	ug/kg	15.					
1,2-Dibromoethane	ND	ug/kg	12.					
1,3-Dichloropropane	ND	ug/kg	15.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.0					
Bromobenzene	ND	ug/kg	15.					
n-Butylbenzene	ND	ug/kg	3.0					
sec-Butylbenzene	ND	ug/kg	3.0					
tert-Butylbenzene	ND	ug/kg	15.					
o-Chlorotoluene	ND	ug/kg	15.					
p-Chlorotoluene	ND	ug/kg	15.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	15.					
Hexachlorobutadiene	ND	ug/kg	15.					
Isopropylbenzene	ND	ug/kg	3.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-01
SB-1 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 13:00	PD
p-Isopropyltoluene	ND	ug/kg	3.0					
Naphthalene	220	ug/kg	15					
Acrylonitrile	ND	ug/kg	30.					
n-Propylbenzene	ND	ug/kg	3.0					
1,2,3-Trichlorobenzene	ND	ug/kg	15.					
1,2,4-Trichlorobenzene	ND	ug/kg	15.					
1,3,5-Trimethylbenzene	ND	ug/kg	15.					
1,2,4-Trimethylbenzene	ND	ug/kg	15.					
1,4-Diethylbenzene	ND	ug/kg	12.					
4-Ethyltoluene	ND	ug/kg	12.					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	12.					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	104	%	70-130					
Toluene-d8	112	%	70-130					
4-Bromofluorobenzene	118	%	70-130					
Dibromofluoromethane	73.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0130 02:01	0202 15:08	PS
Acenaphthene	ND	ug/kg	4100					
1,2,4-Trichlorobenzene	ND	ug/kg	4100					
Hexachlorobenzene	ND	ug/kg	4100					
Bis(2-chloroethyl)ether	ND	ug/kg	4100					
2-Chloronaphthalene	ND	ug/kg	4900					
1,2-Dichlorobenzene	ND	ug/kg	4100					
1,3-Dichlorobenzene	ND	ug/kg	4100					
1,4-Dichlorobenzene	ND	ug/kg	4100					
3,3'-Dichlorobenzidine	ND	ug/kg	8100					
2,4-Dinitrotoluene	ND	ug/kg	4100					
2,6-Dinitrotoluene	ND	ug/kg	4100					
Fluoranthene	ND	ug/kg	4100					
4-Chlorophenyl phenyl ether	ND	ug/kg	4100					
4-Bromophenyl phenyl ether	ND	ug/kg	4100					
Bis(2-chloroisopropyl)ether	ND	ug/kg	4100					
Bis(2-chloroethoxy)methane	ND	ug/kg	4100					
Hexachlorobutadiene	ND	ug/kg	8100					
Hexachlorocyclopentadiene	ND	ug/kg	8100					
Hexachloroethane	ND	ug/kg	4100					
Isophorone	ND	ug/kg	4100					
Naphthalene	ND	ug/kg	4100					
Nitrobenzene	ND	ug/kg	4100					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	12000					
n-Nitrosodi-n-propylamine	ND	ug/kg	4100					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	8100					
Butyl benzyl phthalate	ND	ug/kg	4100					
Di-n-butylphthalate	ND	ug/kg	4100					
Di-n-octylphthalate	ND	ug/kg	4100					
Diethyl phthalate	ND	ug/kg	4100					
Dimethyl phthalate	ND	ug/kg	4100					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-01
SB-1 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0202 15:08	PS
Benzo(a)anthracene	ND	ug/kg	4100					
Benzo(a)pyrene	ND	ug/kg	4100					
Benzo(b)fluoranthene	ND	ug/kg	4100					
Benzo(k)fluoranthene	ND	ug/kg	4100					
Chrysene	ND	ug/kg	4100					
Acenaphthylene	ND	ug/kg	4100					
Anthracene	ND	ug/kg	4100					
Benzo(ghi)perylene	ND	ug/kg	4100					
Fluorene	ND	ug/kg	4100					
Phenanthrene	ND	ug/kg	4100					
Dibenzo(a,h)anthracene	ND	ug/kg	4100					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	4100					
Pyrene	ND	ug/kg	4100					
Biphenyl	ND	ug/kg	4100					
4-Chloroaniline	ND	ug/kg	4100					
2-Nitroaniline	ND	ug/kg	4100					
3-Nitroaniline	ND	ug/kg	4100					
4-Nitroaniline	ND	ug/kg	5700					
Dibenzofuran	ND	ug/kg	4100					
2-Methylnaphthalene	ND	ug/kg	4100					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	16000					
Acetophenone	ND	ug/kg	16000					
2,4,6-Trichlorophenol	ND	ug/kg	4100					
P-Chloro-M-Cresol	ND	ug/kg	4100					
2-Chlorophenol	ND	ug/kg	4900					
2,4-Dichlorophenol	ND	ug/kg	8100					
2,4-Dimethylphenol	ND	ug/kg	4100					
2-Nitrophenol	ND	ug/kg	16000					
4-Nitrophenol	ND	ug/kg	8100					
2,4-Dinitrophenol	ND	ug/kg	16000					
4,6-Dinitro-o-cresol	ND	ug/kg	16000					
Pentachlorophenol	ND	ug/kg	16000					
Phenol	ND	ug/kg	5700					
2-Methylphenol	ND	ug/kg	4900					
3-Methylphenol/4-Methylphenol	ND	ug/kg	4900					
2,4,5-Trichlorophenol	ND	ug/kg	4100					
Benzoic Acid	ND	ug/kg	41000					
Benzyl Alcohol	ND	ug/kg	8100					
Carbazole	ND	ug/kg	4100					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	42.0	%	25-120					
Phenol-d6	45.0	%	10-120					
Nitrobenzene-d5	46.0	%	23-120					
2-Fluorobiphenyl	47.0	%	30-120					
2,4,6-Tribromophenol	42.0	%	19-120					
4-Terphenyl-d14	45.0	%	18-120					
Semivolatile Organics by EPA 8270C				1	8270C	0130 02:01	0202 15:08	PS

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-01
SB-1 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0202 15:08	PS
Tentatively Identified Compounds								
Unknown	11000	ug/kg						
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 02:01	0202 16:21	ND
Acenaphthene	ND	ug/kg	650					
2-Chloronaphthalene	ND	ug/kg	650					
Fluoranthene	ND	ug/kg	650					
Hexachlorobutadiene	ND	ug/kg	1600					
Naphthalene	ND	ug/kg	650					
Benzo(a)anthracene	ND	ug/kg	650					
Benzo(a)pyrene	ND	ug/kg	650					
Benzo(b)fluoranthene	ND	ug/kg	650					
Benzo(k)fluoranthene	ND	ug/kg	650					
Chrysene	1900	ug/kg	650					
Acenaphthylene	ND	ug/kg	650					
Anthracene	ND	ug/kg	650					
Benzo(ghi)perylene	ND	ug/kg	650					
Fluorene	ND	ug/kg	650					
Phenanthrene	ND	ug/kg	650					
Dibenzo(a,h)anthracene	ND	ug/kg	650					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	650					
Pyrene	ND	ug/kg	650					
2-Methylnaphthalene	ND	ug/kg	650					
Pentachlorophenol	ND	ug/kg	2600					
Hexachlorobenzene	ND	ug/kg	2600					
Hexachloroethane	ND	ug/kg	2600					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	56.0	%	25-120					
Phenol-d6	55.0	%	10-120					
Nitrobenzene-d5	50.0	%	23-120					
2-Fluorobiphenyl	52.0	%	30-120					
2,4,6-Tribromophenol	47.0	%	19-120					
4-Terphenyl-d14	48.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0130 02:18	0202 09:28	SH
Aroclor 1016	ND	ug/kg	40.6					
Aroclor 1221	ND	ug/kg	40.6					
Aroclor 1232	ND	ug/kg	40.6					
Aroclor 1242	ND	ug/kg	40.6					
Aroclor 1248	ND	ug/kg	40.6					
Aroclor 1254	ND	ug/kg	40.6					
Aroclor 1260	ND	ug/kg	40.6					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	57.0	%	30-150					
Decachlorobiphenyl	48.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 02:21	0204 00:04	JB

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-01
SB-1 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0131 02:21	0204 00:04	JB
Delta-BHC	ND	ug/kg	4.06					
Lindane	ND	ug/kg	4.06					
Alpha-BHC	ND	ug/kg	4.06					
Beta-BHC	ND	ug/kg	4.06					
Heptachlor	ND	ug/kg	4.06					
Aldrin	ND	ug/kg	4.06					
Heptachlor epoxide	ND	ug/kg	4.06					
Endrin	ND	ug/kg	4.06					
Endrin ketone	ND	ug/kg	4.06					
Dieldrin	ND	ug/kg	4.06					
4,4'-DDE	ND	ug/kg	4.06					
4,4'-DDD	ND	ug/kg	4.06					
4,4'-DDT	ND	ug/kg	4.06					
Endosulfan I	ND	ug/kg	4.06					
Endosulfan II	ND	ug/kg	4.06					
Endosulfan sulfate	ND	ug/kg	4.06					
Methoxychlor	ND	ug/kg	16.3					
trans-Chlordane	ND	ug/kg	4.06					
Chlordane	ND	ug/kg	40.6					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	54.0	%	30-150					
Decachlorobiphenyl	108	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901109-02
SB-2 (6'-7')
Sample Matrix: SOIL

Date Collected: 27-JAN-2009 11:00
Date Received : 28-JAN-2009
Date Reported : 09-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	87	%	0.10	30	2540G		0131 16:00	NM
Total Metals								
Aluminum, Total	8200	mg/kg	5.6	1	6010B	0129 13:00	0202 09:15	MG
Antimony, Total	ND	mg/kg	2.8	1	6010B	0129 13:00	0202 09:15	MG
Arsenic, Total	ND	mg/kg	0.56	1	6010B	0129 13:00	0202 09:15	MG
Barium, Total	43	mg/kg	0.56	1	6010B	0129 13:00	0202 09:15	MG
Beryllium, Total	0.31	mg/kg	0.28	1	6010B	0129 13:00	0202 09:15	MG
Cadmium, Total	ND	mg/kg	0.56	1	6010B	0129 13:00	0202 09:15	MG
Calcium, Total	800	mg/kg	5.6	1	6010B	0129 13:00	0202 09:15	MG
Chromium, Total	14	mg/kg	0.56	1	6010B	0129 13:00	0202 09:15	MG
Cobalt, Total	4.3	mg/kg	1.1	1	6010B	0129 13:00	0202 09:15	MG
Copper, Total	7.1	mg/kg	0.56	1	6010B	0129 13:00	0202 09:15	MG
Iron, Total	13000	mg/kg	2.8	1	6010B	0129 13:00	0202 09:15	MG
Lead, Total	3.5	mg/kg	2.8	1	6010B	0129 13:00	0202 09:15	MG
Magnesium, Total	2500	mg/kg	5.6	1	6010B	0129 13:00	0202 09:15	MG
Manganese, Total	78	mg/kg	0.56	1	6010B	0129 13:00	0202 09:15	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0203 20:30	0204 10:57	EZ
Nickel, Total	12	mg/kg	1.4	1	6010B	0129 13:00	0202 09:15	MG
Potassium, Total	890	mg/kg	140	1	6010B	0129 13:00	0202 09:15	MG
Selenium, Total	ND	mg/kg	2.8	1	6010B	0129 13:00	0202 09:15	MG
Silver, Total	ND	mg/kg	0.56	1	6010B	0129 13:00	0202 09:15	MG
Sodium, Total	ND	mg/kg	110	1	6010B	0129 13:00	0202 09:15	MG
Thallium, Total	ND	mg/kg	2.8	1	6010B	0129 13:00	0202 09:15	MG
Vanadium, Total	14	mg/kg	0.56	1	6010B	0129 13:00	0202 09:15	MG
Zinc, Total	27	mg/kg	2.8	1	6010B	0129 13:00	0202 09:15	MG
Volatile Organics by EPA 8260B				1	8260B		0129 13:37	PD
Methylene chloride	ND	ug/kg	29.					
1,1-Dichloroethane	ND	ug/kg	4.3					
Chloroform	ND	ug/kg	4.3					
Carbon tetrachloride	ND	ug/kg	2.9					
1,2-Dichloropropane	ND	ug/kg	10.					
Dibromochloromethane	ND	ug/kg	2.9					
1,1,2-Trichloroethane	ND	ug/kg	4.3					
Tetrachloroethene	ND	ug/kg	2.9					
Chlorobenzene	ND	ug/kg	2.9					
Trichlorofluoromethane	ND	ug/kg	14.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-02
SB-2 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 13:37	PD
1,2-Dichloroethane	ND	ug/kg	2.9					
1,1,1-Trichloroethane	ND	ug/kg	2.9					
Bromodichloromethane	ND	ug/kg	2.9					
trans-1,3-Dichloropropene	ND	ug/kg	2.9					
cis-1,3-Dichloropropene	ND	ug/kg	2.9					
1,1-Dichloropropene	ND	ug/kg	14.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.9					
Benzene	ND	ug/kg	2.9					
Toluene	ND	ug/kg	4.3					
Ethylbenzene	ND	ug/kg	2.9					
Chloromethane	ND	ug/kg	14.					
Bromomethane	ND	ug/kg	5.7					
Vinyl chloride	ND	ug/kg	5.7					
Chloroethane	ND	ug/kg	5.7					
1,1-Dichloroethene	ND	ug/kg	2.9					
trans-1,2-Dichloroethene	ND	ug/kg	4.3					
Trichloroethene	ND	ug/kg	2.9					
1,2-Dichlorobenzene	ND	ug/kg	14.					
1,3-Dichlorobenzene	ND	ug/kg	14.					
1,4-Dichlorobenzene	ND	ug/kg	14.					
Methyl tert butyl ether	ND	ug/kg	5.7					
p/m-Xylene	ND	ug/kg	5.7					
o-Xylene	ND	ug/kg	5.7					
cis-1,2-Dichloroethene	ND	ug/kg	2.9					
Dibromomethane	ND	ug/kg	29.					
Styrene	ND	ug/kg	5.7					
Dichlorodifluoromethane	ND	ug/kg	29.					
Acetone	ND	ug/kg	29.					
Carbon disulfide	ND	ug/kg	29.					
2-Butanone	ND	ug/kg	29.					
Vinyl acetate	ND	ug/kg	29.					
4-Methyl-2-pentanone	ND	ug/kg	29.					
1,2,3-Trichloropropane	ND	ug/kg	29.					
2-Hexanone	ND	ug/kg	29.					
Bromochloromethane	ND	ug/kg	14.					
2,2-Dichloropropane	ND	ug/kg	14.					
1,2-Dibromoethane	ND	ug/kg	11.					
1,3-Dichloropropane	ND	ug/kg	14.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.9					
Bromobenzene	ND	ug/kg	14.					
n-Butylbenzene	ND	ug/kg	2.9					
sec-Butylbenzene	ND	ug/kg	2.9					
tert-Butylbenzene	ND	ug/kg	14.					
o-Chlorotoluene	ND	ug/kg	14.					
p-Chlorotoluene	ND	ug/kg	14.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	14.					
Hexachlorobutadiene	ND	ug/kg	14.					
Isopropylbenzene	ND	ug/kg	2.9					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-02
SB-2 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 13:37	PD
p-Isopropyltoluene	ND	ug/kg	2.9					
Naphthalene	ND	ug/kg	14.					
Acrylonitrile	ND	ug/kg	29.					
n-Propylbenzene	ND	ug/kg	2.9					
1,2,3-Trichlorobenzene	ND	ug/kg	14.					
1,2,4-Trichlorobenzene	ND	ug/kg	14.					
1,3,5-Trimethylbenzene	ND	ug/kg	14.					
1,2,4-Trimethylbenzene	ND	ug/kg	14.					
1,4-Diethylbenzene	ND	ug/kg	11.					
4-Ethyltoluene	ND	ug/kg	11.					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	11.					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	98.0	%	70-130					
Toluene-d8	104	%	70-130					
4-Bromofluorobenzene	106	%	70-130					
Dibromofluoromethane	96.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0130 02:01	0202 15:31	PS
Acenaphthene	ND	ug/kg	380					
1,2,4-Trichlorobenzene	ND	ug/kg	380					
Hexachlorobenzene	ND	ug/kg	380					
Bis(2-chloroethyl)ether	ND	ug/kg	380					
2-Chloronaphthalene	ND	ug/kg	460					
1,2-Dichlorobenzene	ND	ug/kg	380					
1,3-Dichlorobenzene	ND	ug/kg	380					
1,4-Dichlorobenzene	ND	ug/kg	380					
3,3'-Dichlorobenzidine	ND	ug/kg	770					
2,4-Dinitrotoluene	ND	ug/kg	380					
2,6-Dinitrotoluene	ND	ug/kg	380					
Fluoranthene	ND	ug/kg	380					
4-Chlorophenyl phenyl ether	ND	ug/kg	380					
4-Bromophenyl phenyl ether	ND	ug/kg	380					
Bis(2-chloroisopropyl)ether	ND	ug/kg	380					
Bis(2-chloroethoxy)methane	ND	ug/kg	380					
Hexachlorobutadiene	ND	ug/kg	770					
Hexachlorocyclopentadiene	ND	ug/kg	770					
Hexachloroethane	ND	ug/kg	380					
Isophorone	ND	ug/kg	380					
Naphthalene	ND	ug/kg	380					
Nitrobenzene	ND	ug/kg	380					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1100					
n-Nitrosodi-n-propylamine	ND	ug/kg	380					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	770					
Butyl benzyl phthalate	ND	ug/kg	380					
Di-n-butylphthalate	ND	ug/kg	380					
Di-n-octylphthalate	ND	ug/kg	380					
Diethyl phthalate	ND	ug/kg	380					
Dimethyl phthalate	ND	ug/kg	380					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-02
SB-2 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0202 15:31	PS
Benzo(a)anthracene	ND	ug/kg	380					
Benzo(a)pyrene	ND	ug/kg	380					
Benzo(b)fluoranthene	ND	ug/kg	380					
Benzo(k)fluoranthene	ND	ug/kg	380					
Chrysene	ND	ug/kg	380					
Acenaphthylene	ND	ug/kg	380					
Anthracene	ND	ug/kg	380					
Benzo(ghi)perylene	ND	ug/kg	380					
Fluorene	ND	ug/kg	380					
Phenanthrene	ND	ug/kg	380					
Dibenzo(a,h)anthracene	ND	ug/kg	380					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	380					
Pyrene	ND	ug/kg	380					
Biphenyl	ND	ug/kg	380					
4-Chloroaniline	ND	ug/kg	380					
2-Nitroaniline	ND	ug/kg	380					
3-Nitroaniline	ND	ug/kg	380					
4-Nitroaniline	ND	ug/kg	540					
Dibenzofuran	ND	ug/kg	380					
2-Methylnaphthalene	ND	ug/kg	380					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1500					
Acetophenone	ND	ug/kg	1500					
2,4,6-Trichlorophenol	ND	ug/kg	380					
P-Chloro-M-Cresol	ND	ug/kg	380					
2-Chlorophenol	ND	ug/kg	460					
2,4-Dichlorophenol	ND	ug/kg	770					
2,4-Dimethylphenol	ND	ug/kg	380					
2-Nitrophenol	ND	ug/kg	1500					
4-Nitrophenol	ND	ug/kg	770					
2,4-Dinitrophenol	ND	ug/kg	1500					
4,6-Dinitro-o-cresol	ND	ug/kg	1500					
Pentachlorophenol	ND	ug/kg	1500					
Phenol	ND	ug/kg	540					
2-Methylphenol	ND	ug/kg	460					
3-Methylphenol/4-Methylphenol	ND	ug/kg	460					
2,4,5-Trichlorophenol	ND	ug/kg	380					
Benzoic Acid	ND	ug/kg	3800					
Benzyl Alcohol	ND	ug/kg	770					
Carbazole	ND	ug/kg	380					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	31.0	%	25-120					
Phenol-d6	33.0	%	10-120					
Nitrobenzene-d5	32.0	%	23-120					
2-Fluorobiphenyl	33.0	%	30-120					
2,4,6-Tribromophenol	39.0	%	19-120					
4-Terphenyl-d14	33.0	%	18-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 02:01	0131 19:05	ND

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-02
SB-2 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0130 02:01	0131 19:05	ND
Acenaphthene	ND	ug/kg	15.					
2-Chloronaphthalene	ND	ug/kg	15.					
Fluoranthene	ND	ug/kg	15.					
Hexachlorobutadiene	ND	ug/kg	38.					
Naphthalene	ND	ug/kg	15.					
Benzo(a)anthracene	ND	ug/kg	15.					
Benzo(a)pyrene	ND	ug/kg	15.					
Benzo(b)fluoranthene	ND	ug/kg	15.					
Benzo(k)fluoranthene	ND	ug/kg	15.					
Chrysene	ND	ug/kg	15.					
Acenaphthylene	ND	ug/kg	15.					
Anthracene	ND	ug/kg	15.					
Benzo(ghi)perylene	ND	ug/kg	15.					
Fluorene	ND	ug/kg	15.					
Phenanthrene	ND	ug/kg	15.					
Dibenzo(a,h)anthracene	ND	ug/kg	15.					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	15.					
Pyrene	ND	ug/kg	15.					
2-Methylnaphthalene	ND	ug/kg	15.					
Pentachlorophenol	ND	ug/kg	61.					
Hexachlorobenzene	ND	ug/kg	61.					
Hexachloroethane	ND	ug/kg	61.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	33.0	%	25-120					
Phenol-d6	35.0	%	10-120					
Nitrobenzene-d5	33.0	%	23-120					
2-Fluorobiphenyl	30.0	%	30-120					
2,4,6-Tribromophenol	33.0	%	19-120					
4-Terphenyl-d14	32.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0130 02:18	0202 09:39	SH
Aroclor 1016	ND	ug/kg	38.3					
Aroclor 1221	ND	ug/kg	38.3					
Aroclor 1232	ND	ug/kg	38.3					
Aroclor 1242	ND	ug/kg	38.3					
Aroclor 1248	ND	ug/kg	38.3					
Aroclor 1254	ND	ug/kg	38.3					
Aroclor 1260	ND	ug/kg	38.3					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	76.0	%	30-150					
Decachlorobiphenyl	55.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 02:21	0203 17:47	JB
Delta-BHC	ND	ug/kg	3.83					
Lindane	ND	ug/kg	3.83					
Alpha-BHC	ND	ug/kg	3.83					
Beta-BHC	ND	ug/kg	3.83					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-02
SB-2 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0131 02:21	0203 17:47	JB
Heptachlor	ND	ug/kg	3.83					
Aldrin	ND	ug/kg	3.83					
Heptachlor epoxide	ND	ug/kg	3.83					
Endrin	ND	ug/kg	3.83					
Endrin ketone	ND	ug/kg	3.83					
Dieldrin	ND	ug/kg	3.83					
4,4'-DDE	ND	ug/kg	3.83					
4,4'-DDD	ND	ug/kg	3.83					
4,4'-DDT	ND	ug/kg	3.83					
Endosulfan I	ND	ug/kg	3.83					
Endosulfan II	ND	ug/kg	3.83					
Endosulfan sulfate	ND	ug/kg	3.83					
Methoxychlor	ND	ug/kg	15.3					
trans-Chlordane	ND	ug/kg	3.83					
Chlordane	ND	ug/kg	38.3					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	58.0	%	30-150					
Decachlorobiphenyl	77.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901109-03
SB-6 (9'-10')
Sample Matrix: SOIL

Date Collected: 27-JAN-2009 11:50
Date Received : 28-JAN-2009
Date Reported : 09-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	80	%	0.10	30	2540G		0131 16:00	NM
Total Metals								
Aluminum, Total	6000	mg/kg	5.8	1	6010B	0129 13:00	0202 09:17	MG
Antimony, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:17	MG
Arsenic, Total	1.1	mg/kg	0.58	1	6010B	0129 13:00	0202 09:17	MG
Barium, Total	28	mg/kg	0.58	1	6010B	0129 13:00	0202 09:17	MG
Beryllium, Total	0.34	mg/kg	0.29	1	6010B	0129 13:00	0202 09:17	MG
Cadmium, Total	ND	mg/kg	0.58	1	6010B	0129 13:00	0202 09:17	MG
Calcium, Total	2000	mg/kg	5.8	1	6010B	0129 13:00	0202 09:17	MG
Chromium, Total	11	mg/kg	0.58	1	6010B	0129 13:00	0202 09:17	MG
Cobalt, Total	5.4	mg/kg	1.2	1	6010B	0129 13:00	0202 09:17	MG
Copper, Total	16	mg/kg	0.58	1	6010B	0129 13:00	0202 09:17	MG
Iron, Total	15000	mg/kg	2.9	1	6010B	0129 13:00	0202 09:17	MG
Lead, Total	9.5	mg/kg	2.9	1	6010B	0129 13:00	0202 09:17	MG
Magnesium, Total	2900	mg/kg	5.8	1	6010B	0129 13:00	0202 09:17	MG
Manganese, Total	390	mg/kg	0.58	1	6010B	0129 13:00	0202 09:17	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0203 20:30	0204 11:03	EZ
Nickel, Total	13	mg/kg	1.5	1	6010B	0129 13:00	0202 09:17	MG
Potassium, Total	980	mg/kg	150	1	6010B	0129 13:00	0202 09:17	MG
Selenium, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:17	MG
Silver, Total	ND	mg/kg	0.58	1	6010B	0129 13:00	0202 09:17	MG
Sodium, Total	ND	mg/kg	120	1	6010B	0129 13:00	0202 09:17	MG
Thallium, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:17	MG
Vanadium, Total	12	mg/kg	0.58	1	6010B	0129 13:00	0202 09:17	MG
Zinc, Total	54	mg/kg	2.9	1	6010B	0129 13:00	0202 09:17	MG
Volatile Organics by EPA 8260B				1	8260B		0129 16:43	PD
Methylene chloride	ND	ug/kg	12000					
1,1-Dichloroethane	ND	ug/kg	1900					
Chloroform	ND	ug/kg	1900					
Carbon tetrachloride	ND	ug/kg	1200					
1,2-Dichloropropane	ND	ug/kg	4400					
Dibromochloromethane	ND	ug/kg	1200					
1,1,2-Trichloroethane	ND	ug/kg	1900					
Tetrachloroethene	ND	ug/kg	1200					
Chlorobenzene	ND	ug/kg	1200					
Trichlorofluoromethane	ND	ug/kg	6200					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-03
SB-6 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 16:43	PD
1,2-Dichloroethane	ND	ug/kg	1200					
1,1,1-Trichloroethane	ND	ug/kg	1200					
Bromodichloromethane	ND	ug/kg	1200					
trans-1,3-Dichloropropene	ND	ug/kg	1200					
cis-1,3-Dichloropropene	ND	ug/kg	1200					
1,1-Dichloropropene	ND	ug/kg	6200					
Bromoform	ND	ug/kg	5000					
1,1,2,2-Tetrachloroethane	ND	ug/kg	1200					
Benzene	ND	ug/kg	1200					
Toluene	ND	ug/kg	1900					
Ethylbenzene	ND	ug/kg	1200					
Chloromethane	ND	ug/kg	6200					
Bromomethane	ND	ug/kg	2500					
Vinyl chloride	ND	ug/kg	2500					
Chloroethane	ND	ug/kg	2500					
1,1-Dichloroethene	ND	ug/kg	1200					
trans-1,2-Dichloroethene	ND	ug/kg	1900					
Trichloroethene	ND	ug/kg	1200					
1,2-Dichlorobenzene	ND	ug/kg	6200					
1,3-Dichlorobenzene	ND	ug/kg	6200					
1,4-Dichlorobenzene	ND	ug/kg	6200					
Methyl tert butyl ether	ND	ug/kg	2500					
p/m-Xylene	ND	ug/kg	2500					
o-Xylene	ND	ug/kg	2500					
cis-1,2-Dichloroethene	ND	ug/kg	1200					
Dibromomethane	ND	ug/kg	12000					
Styrene	ND	ug/kg	2500					
Dichlorodifluoromethane	ND	ug/kg	12000					
Acetone	ND	ug/kg	12000					
Carbon disulfide	ND	ug/kg	12000					
2-Butanone	ND	ug/kg	12000					
Vinyl acetate	ND	ug/kg	12000					
4-Methyl-2-pentanone	ND	ug/kg	12000					
1,2,3-Trichloropropane	ND	ug/kg	12000					
2-Hexanone	ND	ug/kg	12000					
Bromochloromethane	ND	ug/kg	6200					
2,2-Dichloropropane	ND	ug/kg	6200					
1,2-Dibromoethane	ND	ug/kg	5000					
1,3-Dichloropropane	ND	ug/kg	6200					
1,1,1,2-Tetrachloroethane	ND	ug/kg	1200					
Bromobenzene	ND	ug/kg	6200					
n-Butylbenzene	ND	ug/kg	1200					
sec-Butylbenzene	ND	ug/kg	1200					
tert-Butylbenzene	ND	ug/kg	6200					
o-Chlorotoluene	ND	ug/kg	6200					
p-Chlorotoluene	ND	ug/kg	6200					
1,2-Dibromo-3-chloropropane	ND	ug/kg	6200					
Hexachlorobutadiene	ND	ug/kg	6200					
Isopropylbenzene	ND	ug/kg	1200					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-03
SB-6 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 16:43	PD
p-Isopropyltoluene	ND	ug/kg	1200					
Naphthalene	ND	ug/kg	6200					
Acrylonitrile	ND	ug/kg	12000					
n-Propylbenzene	ND	ug/kg	1200					
1,2,3-Trichlorobenzene	ND	ug/kg	6200					
1,2,4-Trichlorobenzene	ND	ug/kg	6200					
1,3,5-Trimethylbenzene	ND	ug/kg	6200					
1,2,4-Trimethylbenzene	ND	ug/kg	6200					
1,4-Diethylbenzene	ND	ug/kg	5000					
4-Ethyltoluene	ND	ug/kg	5000					
1,2,4,5-Tetramethylbenzene	5100	ug/kg	5000					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	116	%	70-130					
Toluene-d8	127	%	70-130					
4-Bromofluorobenzene	129	%	70-130					
Dibromofluoromethane	110	%	70-130					
Volatile Organics by EPA 8260B				1	8260B		0129 16:43	PD
Tentatively Identified Compounds								
Unknown C11H20	39000	ug/kg						
Unknown C11H20	40000	ug/kg						
Unknown Alkane	42000	ug/kg						
Unknown Alkane	41000	ug/kg						
Unknown C12H22	31000	ug/kg						
Unknown Alkane	25000	ug/kg						
Unknown C12H18	24000	ug/kg						
Unknown Alkane	53000	ug/kg						
Unknown Alkane	59000	ug/kg						
Unknown C15H28	30000	ug/kg						
Semivolatile Organics by EPA 8270C				1	8270C	0130 02:01	0131 22:15	PS
Acenaphthene	ND	ug/kg	420					
1,2,4-Trichlorobenzene	ND	ug/kg	420					
Hexachlorobenzene	ND	ug/kg	420					
Bis(2-chloroethyl)ether	ND	ug/kg	420					
2-Chloronaphthalene	ND	ug/kg	500					
1,2-Dichlorobenzene	ND	ug/kg	420					
1,3-Dichlorobenzene	ND	ug/kg	420					
1,4-Dichlorobenzene	ND	ug/kg	420					
3,3'-Dichlorobenzidine	ND	ug/kg	830					
2,4-Dinitrotoluene	ND	ug/kg	420					
2,6-Dinitrotoluene	ND	ug/kg	420					
Fluoranthene	ND	ug/kg	420					
4-Chlorophenyl phenyl ether	ND	ug/kg	420					
4-Bromophenyl phenyl ether	ND	ug/kg	420					
Bis(2-chloroisopropyl)ether	ND	ug/kg	420					
Bis(2-chloroethoxy)methane	ND	ug/kg	420					
Hexachlorobutadiene	ND	ug/kg	830					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-03
SB-6 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0131 22:15	PS
Hexachlorocyclopentadiene	ND	ug/kg	830					
Hexachloroethane	ND	ug/kg	420					
Isophorone	ND	ug/kg	420					
Naphthalene	ND	ug/kg	420					
Nitrobenzene	ND	ug/kg	420					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1200					
n-Nitrosodi-n-propylamine	ND	ug/kg	420					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	830					
Butyl benzyl phthalate	ND	ug/kg	420					
Di-n-butylphthalate	ND	ug/kg	420					
Di-n-octylphthalate	ND	ug/kg	420					
Diethyl phthalate	ND	ug/kg	420					
Dimethyl phthalate	ND	ug/kg	420					
Benzo(a)anthracene	ND	ug/kg	420					
Benzo(a)pyrene	ND	ug/kg	420					
Benzo(b)fluoranthene	ND	ug/kg	420					
Benzo(k)fluoranthene	ND	ug/kg	420					
Chrysene	ND	ug/kg	420					
Acenaphthylene	ND	ug/kg	420					
Anthracene	ND	ug/kg	420					
Benzo(ghi)perylene	ND	ug/kg	420					
Fluorene	ND	ug/kg	420					
Phenanthrene	ND	ug/kg	420					
Dibenzo(a,h)anthracene	ND	ug/kg	420					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	420					
Pyrene	ND	ug/kg	420					
Biphenyl	ND	ug/kg	420					
4-Chloroaniline	ND	ug/kg	420					
2-Nitroaniline	ND	ug/kg	420					
3-Nitroaniline	ND	ug/kg	420					
4-Nitroaniline	ND	ug/kg	580					
Dibenzofuran	ND	ug/kg	420					
2-Methylnaphthalene	ND	ug/kg	420					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1700					
Acetophenone	ND	ug/kg	1700					
2,4,6-Trichlorophenol	ND	ug/kg	420					
P-Chloro-M-Cresol	ND	ug/kg	420					
2-Chlorophenol	ND	ug/kg	500					
2,4-Dichlorophenol	ND	ug/kg	830					
2,4-Dimethylphenol	ND	ug/kg	420					
2-Nitrophenol	ND	ug/kg	1700					
4-Nitrophenol	ND	ug/kg	830					
2,4-Dinitrophenol	ND	ug/kg	1700					
4,6-Dinitro-o-cresol	ND	ug/kg	1700					
Pentachlorophenol	ND	ug/kg	1700					
Phenol	ND	ug/kg	580					
2-Methylphenol	ND	ug/kg	500					
3-Methylphenol/4-Methylphenol	ND	ug/kg	500					
2,4,5-Trichlorophenol	ND	ug/kg	420					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-03
SB-6 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0131 22:15	PS
Benzoic Acid	ND	ug/kg	4200					
Benzyl Alcohol	ND	ug/kg	830					
Carbazole	ND	ug/kg	420					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	66.0	%	25-120					
Phenol-d6	76.0	%	10-120					
Nitrobenzene-d5	73.0	%	23-120					
2-Fluorobiphenyl	85.0	%	30-120					
2,4,6-Tribromophenol	92.0	%	19-120					
4-Terphenyl-d14	79.0	%	18-120					
Semivolatile Organics by EPA 8270C				1	8270C	0130 02:01	0131 22:15	PS
Tentatively Identified Compounds								
Unknown	2900	ug/kg						
Unknown	2700	ug/kg						
Unknown	2700	ug/kg						
Unknown	2200	ug/kg						
Unknown	3700	ug/kg						
Unknown	1500	ug/kg						
Unknown	1900	ug/kg						
Unknown	860	ug/kg						
Unknown	1600	ug/kg						
Unknown C15H28	1200	ug/kg						
Unknown C15H28	8300	ug/kg						
Unknown	2200	ug/kg						
Unknown	1500	ug/kg						
Unknown	7400	ug/kg						
Unknown	1200	ug/kg						
Unknown	1600	ug/kg						
Unknown	2000	ug/kg						
Unknown	7100	ug/kg						
Unknown Substituted PAH	3900	ug/kg						
Unknown C16H14 Isomer	1400	ug/kg						
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 02:01	0202 15:52	ND
Acenaphthene	400	ug/kg	83					
2-Chloronaphthalene	ND	ug/kg	83.					
Fluoranthene	120	ug/kg	83					
Hexachlorobutadiene	ND	ug/kg	210					
Naphthalene	ND	ug/kg	83.					
Benzo(a)anthracene	ND	ug/kg	83.					
Benzo(a)pyrene	ND	ug/kg	83.					
Benzo(b)fluoranthene	ND	ug/kg	83.					
Benzo(k)fluoranthene	ND	ug/kg	83.					
Chrysene	ND	ug/kg	83.					
Acenaphthylene	ND	ug/kg	83.					
Anthracene	ND	ug/kg	83.					
Benzo(ghi)perylene	ND	ug/kg	83.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-03
SB-6 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0130 02:01	0202 15:52	ND
Fluorene	ND	ug/kg	83.					
Phenanthrene	ND	ug/kg	83.					
Dibenzo(a,h)anthracene	ND	ug/kg	83.					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	83.					
Pyrene	300	ug/kg	83					
2-Methylnaphthalene	ND	ug/kg	83.					
Pentachlorophenol	ND	ug/kg	330					
Hexachlorobenzene	ND	ug/kg	330					
Hexachloroethane	ND	ug/kg	330					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	92.0	%	25-120					
Phenol-d6	102	%	10-120					
Nitrobenzene-d5	83.0	%	23-120					
2-Fluorobiphenyl	80.0	%	30-120					
2,4,6-Tribromophenol	103	%	19-120					
4-Terphenyl-d14	114	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0130 02:18	0202 09:51	SH
Aroclor 1016	ND	ug/kg	41.7					
Aroclor 1221	ND	ug/kg	41.7					
Aroclor 1232	ND	ug/kg	41.7					
Aroclor 1242	ND	ug/kg	41.7					
Aroclor 1248	ND	ug/kg	41.7					
Aroclor 1254	ND	ug/kg	41.7					
Aroclor 1260	ND	ug/kg	41.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	80.0	%	30-150					
Decachlorobiphenyl	55.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 02:21	0203 18:00	JB
Delta-BHC	ND	ug/kg	4.17					
Lindane	ND	ug/kg	4.17					
Alpha-BHC	ND	ug/kg	4.17					
Beta-BHC	ND	ug/kg	4.17					
Heptachlor	ND	ug/kg	4.17					
Aldrin	ND	ug/kg	4.17					
Heptachlor epoxide	ND	ug/kg	4.17					
Endrin	ND	ug/kg	4.17					
Endrin ketone	ND	ug/kg	4.17					
Dieldrin	ND	ug/kg	4.17					
4,4'-DDE	ND	ug/kg	4.17					
4,4'-DDD	ND	ug/kg	4.17					
4,4'-DDT	ND	ug/kg	4.17					
Endosulfan I	ND	ug/kg	4.17					
Endosulfan II	ND	ug/kg	4.17					
Endosulfan sulfate	ND	ug/kg	4.17					
Methoxychlor	ND	ug/kg	16.7					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-03
SB-6 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0131 02:21	0203 18:00	JB
trans-Chlordane	ND	ug/kg	4.17					
Chlordane	ND	ug/kg	41.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	34.0	%	30-150					
Decachlorobiphenyl	45.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901109-04
SB-3 (6'-7')
Sample Matrix: SOIL

Date Collected: 27-JAN-2009 12:40
Date Received : 28-JAN-2009
Date Reported : 09-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	81	%	0.10	30	2540G		0131 16:00	NM
Total Metals								
Aluminum, Total	7600	mg/kg	5.6	1	6010B	0129 13:00	0202 09:20	MG
Antimony, Total	ND	mg/kg	2.8	1	6010B	0129 13:00	0202 09:20	MG
Arsenic, Total	6.4	mg/kg	0.56	1	6010B	0129 13:00	0202 09:20	MG
Barium, Total	360	mg/kg	0.56	1	6010B	0129 13:00	0202 09:20	MG
Beryllium, Total	0.52	mg/kg	0.28	1	6010B	0129 13:00	0202 09:20	MG
Cadmium, Total	1.6	mg/kg	0.56	1	6010B	0129 13:00	0202 09:20	MG
Calcium, Total	56000	mg/kg	56	1	6010B	0129 13:00	0202 09:54	MG
Chromium, Total	18	mg/kg	0.56	1	6010B	0129 13:00	0202 09:20	MG
Cobalt, Total	6.2	mg/kg	1.1	1	6010B	0129 13:00	0202 09:20	MG
Copper, Total	63	mg/kg	0.56	1	6010B	0129 13:00	0202 09:20	MG
Iron, Total	15000	mg/kg	2.8	1	6010B	0129 13:00	0202 09:20	MG
Lead, Total	140	mg/kg	2.8	1	6010B	0129 13:00	0202 09:20	MG
Magnesium, Total	6600	mg/kg	5.6	1	6010B	0129 13:00	0202 09:20	MG
Manganese, Total	320	mg/kg	0.56	1	6010B	0129 13:00	0202 09:20	MG
Mercury, Total	1.1	mg/kg	0.10	1	7471A	0203 20:30	0204 11:04	EZ
Nickel, Total	21	mg/kg	1.4	1	6010B	0129 13:00	0202 09:20	MG
Potassium, Total	1100	mg/kg	140	1	6010B	0129 13:00	0202 09:20	MG
Selenium, Total	ND	mg/kg	2.8	1	6010B	0129 13:00	0202 09:20	MG
Silver, Total	1.3	mg/kg	0.56	1	6010B	0129 13:00	0202 09:20	MG
Sodium, Total	320	mg/kg	110	1	6010B	0129 13:00	0202 09:20	MG
Thallium, Total	ND	mg/kg	2.8	1	6010B	0129 13:00	0202 09:20	MG
Vanadium, Total	38	mg/kg	0.56	1	6010B	0129 13:00	0202 09:20	MG
Zinc, Total	1000	mg/kg	28	1	6010B	0129 13:00	0202 09:54	MG
Volatile Organics by EPA 8260B				1	8260B		0129 14:15	PD
Methylene chloride	ND	ug/kg	31.					
1,1-Dichloroethane	ND	ug/kg	4.6					
Chloroform	ND	ug/kg	4.6					
Carbon tetrachloride	ND	ug/kg	3.1					
1,2-Dichloropropane	ND	ug/kg	11.					
Dibromochloromethane	ND	ug/kg	3.1					
1,1,2-Trichloroethane	ND	ug/kg	4.6					
Tetrachloroethene	ND	ug/kg	3.1					
Chlorobenzene	ND	ug/kg	3.1					
Trichlorofluoromethane	ND	ug/kg	15.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-04
SB-3 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 14:15	PD
1,2-Dichloroethane	ND	ug/kg	3.1					
1,1,1-Trichloroethane	ND	ug/kg	3.1					
Bromodichloromethane	ND	ug/kg	3.1					
trans-1,3-Dichloropropene	ND	ug/kg	3.1					
cis-1,3-Dichloropropene	ND	ug/kg	3.1					
1,1-Dichloropropene	ND	ug/kg	15.					
Bromoform	ND	ug/kg	12.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.1					
Benzene	ND	ug/kg	3.1					
Toluene	ND	ug/kg	4.6					
Ethylbenzene	ND	ug/kg	3.1					
Chloromethane	ND	ug/kg	15.					
Bromomethane	ND	ug/kg	6.2					
Vinyl chloride	ND	ug/kg	6.2					
Chloroethane	ND	ug/kg	6.2					
1,1-Dichloroethene	ND	ug/kg	3.1					
trans-1,2-Dichloroethene	ND	ug/kg	4.6					
Trichloroethene	ND	ug/kg	3.1					
1,2-Dichlorobenzene	ND	ug/kg	15.					
1,3-Dichlorobenzene	ND	ug/kg	15.					
1,4-Dichlorobenzene	ND	ug/kg	15.					
Methyl tert butyl ether	ND	ug/kg	6.2					
p/m-Xylene	ND	ug/kg	6.2					
o-Xylene	ND	ug/kg	6.2					
cis-1,2-Dichloroethene	ND	ug/kg	3.1					
Dibromomethane	ND	ug/kg	31.					
Styrene	ND	ug/kg	6.2					
Dichlorodifluoromethane	ND	ug/kg	31.					
Acetone	120	ug/kg	31					
Carbon disulfide	ND	ug/kg	31.					
2-Butanone	ND	ug/kg	31.					
Vinyl acetate	ND	ug/kg	31.					
4-Methyl-2-pentanone	ND	ug/kg	31.					
1,2,3-Trichloropropane	ND	ug/kg	31.					
2-Hexanone	ND	ug/kg	31.					
Bromochloromethane	ND	ug/kg	15.					
2,2-Dichloropropane	ND	ug/kg	15.					
1,2-Dibromoethane	ND	ug/kg	12.					
1,3-Dichloropropane	ND	ug/kg	15.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.1					
Bromobenzene	ND	ug/kg	15.					
n-Butylbenzene	ND	ug/kg	3.1					
sec-Butylbenzene	ND	ug/kg	3.1					
tert-Butylbenzene	ND	ug/kg	15.					
o-Chlorotoluene	ND	ug/kg	15.					
p-Chlorotoluene	ND	ug/kg	15.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	15.					
Hexachlorobutadiene	ND	ug/kg	15.					
Isopropylbenzene	ND	ug/kg	3.1					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-04
SB-3 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 14:15	PD
p-Isopropyltoluene	ND	ug/kg	3.1					
Naphthalene	ND	ug/kg	15.					
Acrylonitrile	ND	ug/kg	31.					
n-Propylbenzene	ND	ug/kg	3.1					
1,2,3-Trichlorobenzene	ND	ug/kg	15.					
1,2,4-Trichlorobenzene	ND	ug/kg	15.					
1,3,5-Trimethylbenzene	ND	ug/kg	15.					
1,2,4-Trimethylbenzene	ND	ug/kg	15.					
1,4-Diethylbenzene	ND	ug/kg	12.					
4-Ethyltoluene	ND	ug/kg	12.					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	12.					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	82.0	%	70-130					
Toluene-d8	91.0	%	70-130					
4-Bromofluorobenzene	95.0	%	70-130					
Dibromofluoromethane	77.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0130 02:01	0131 22:38	PS
Acenaphthene	ND	ug/kg	410					
1,2,4-Trichlorobenzene	ND	ug/kg	410					
Hexachlorobenzene	ND	ug/kg	410					
Bis(2-chloroethyl)ether	ND	ug/kg	410					
2-Chloronaphthalene	ND	ug/kg	490					
1,2-Dichlorobenzene	ND	ug/kg	410					
1,3-Dichlorobenzene	ND	ug/kg	410					
1,4-Dichlorobenzene	ND	ug/kg	410					
3,3'-Dichlorobenzidine	ND	ug/kg	820					
2,4-Dinitrotoluene	ND	ug/kg	410					
2,6-Dinitrotoluene	ND	ug/kg	410					
Fluoranthene	ND	ug/kg	410					
4-Chlorophenyl phenyl ether	ND	ug/kg	410					
4-Bromophenyl phenyl ether	ND	ug/kg	410					
Bis(2-chloroisopropyl)ether	ND	ug/kg	410					
Bis(2-chloroethoxy)methane	ND	ug/kg	410					
Hexachlorobutadiene	ND	ug/kg	820					
Hexachlorocyclopentadiene	ND	ug/kg	820					
Hexachloroethane	ND	ug/kg	410					
Isophorone	ND	ug/kg	410					
Naphthalene	ND	ug/kg	410					
Nitrobenzene	ND	ug/kg	410					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1200					
n-Nitrosodi-n-propylamine	ND	ug/kg	410					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	820					
Butyl benzyl phthalate	ND	ug/kg	410					
Di-n-butylphthalate	ND	ug/kg	410					
Di-n-octylphthalate	ND	ug/kg	410					
Diethyl phthalate	ND	ug/kg	410					
Dimethyl phthalate	ND	ug/kg	410					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-04
SB-3 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0131 22:38	PS
Benzo(a)anthracene	ND	ug/kg	410					
Benzo(a)pyrene	ND	ug/kg	410					
Benzo(b)fluoranthene	ND	ug/kg	410					
Benzo(k)fluoranthene	ND	ug/kg	410					
Chrysene	ND	ug/kg	410					
Acenaphthylene	ND	ug/kg	410					
Anthracene	ND	ug/kg	410					
Benzo(ghi)perylene	ND	ug/kg	410					
Fluorene	ND	ug/kg	410					
Phenanthrene	ND	ug/kg	410					
Dibenzo(a,h)anthracene	ND	ug/kg	410					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	410					
Pyrene	ND	ug/kg	410					
Biphenyl	ND	ug/kg	410					
4-Chloroaniline	ND	ug/kg	410					
2-Nitroaniline	ND	ug/kg	410					
3-Nitroaniline	ND	ug/kg	410					
4-Nitroaniline	ND	ug/kg	580					
Dibenzofuran	ND	ug/kg	410					
2-Methylnaphthalene	ND	ug/kg	410					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600					
Acetophenone	ND	ug/kg	1600					
2,4,6-Trichlorophenol	ND	ug/kg	410					
P-Chloro-M-Cresol	ND	ug/kg	410					
2-Chlorophenol	ND	ug/kg	490					
2,4-Dichlorophenol	ND	ug/kg	820					
2,4-Dimethylphenol	ND	ug/kg	410					
2-Nitrophenol	ND	ug/kg	1600					
4-Nitrophenol	ND	ug/kg	820					
2,4-Dinitrophenol	ND	ug/kg	1600					
4,6-Dinitro-o-cresol	ND	ug/kg	1600					
Pentachlorophenol	ND	ug/kg	1600					
Phenol	ND	ug/kg	580					
2-Methylphenol	ND	ug/kg	490					
3-Methylphenol/4-Methylphenol	ND	ug/kg	490					
2,4,5-Trichlorophenol	ND	ug/kg	410					
Benzoic Acid	ND	ug/kg	4100					
Benzyl Alcohol	ND	ug/kg	820					
Carbazole	ND	ug/kg	410					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	66.0	%	25-120					
Phenol-d6	69.0	%	10-120					
Nitrobenzene-d5	67.0	%	23-120					
2-Fluorobiphenyl	68.0	%	30-120					
2,4,6-Tribromophenol	87.0	%	19-120					
4-Terphenyl-d14	81.0	%	18-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 02:01	0131 20:03	ND

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-04
SB-3 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0130 02:01	0131 20:03	ND
Acenaphthene	ND	ug/kg	16.					
2-Chloronaphthalene	ND	ug/kg	16.					
Fluoranthene	270	ug/kg	16					
Hexachlorobutadiene	ND	ug/kg	41.					
Naphthalene	ND	ug/kg	16.					
Benzo(a)anthracene	170	ug/kg	16					
Benzo(a)pyrene	370	ug/kg	16					
Benzo(b)fluoranthene	360	ug/kg	16					
Benzo(k)fluoranthene	100	ug/kg	16					
Chrysene	220	ug/kg	16					
Acenaphthylene	ND	ug/kg	16.					
Anthracene	43	ug/kg	16					
Benzo(ghi)perylene	420	ug/kg	16					
Fluorene	ND	ug/kg	16.					
Phenanthrene	230	ug/kg	16					
Dibenzo(a,h)anthracene	120	ug/kg	16					
Indeno(1,2,3-cd)Pyrene	220	ug/kg	16					
Pyrene	290	ug/kg	16					
2-Methylnaphthalene	ND	ug/kg	16.					
Pentachlorophenol	ND	ug/kg	66.					
Hexachlorobenzene	ND	ug/kg	66.					
Hexachloroethane	ND	ug/kg	66.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	62.0	%	25-120					
Phenol-d6	72.0	%	10-120					
Nitrobenzene-d5	69.0	%	23-120					
2-Fluorobiphenyl	67.0	%	30-120					
2,4,6-Tribromophenol	81.0	%	19-120					
4-Terphenyl-d14	65.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0130 02:18	0202 10:03	SH
Aroclor 1016	ND	ug/kg	41.2					
Aroclor 1221	ND	ug/kg	41.2					
Aroclor 1232	ND	ug/kg	41.2					
Aroclor 1242	ND	ug/kg	41.2					
Aroclor 1248	ND	ug/kg	41.2					
Aroclor 1254	ND	ug/kg	41.2					
Aroclor 1260	ND	ug/kg	41.2					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	80.0	%	30-150					
Decachlorobiphenyl	71.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 02:21	0204 15:22	JB
Delta-BHC	ND	ug/kg	20.6					
Lindane	ND	ug/kg	20.6					
Alpha-BHC	ND	ug/kg	20.6					
Beta-BHC	ND	ug/kg	20.6					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-04
SB-3 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0131 02:21	0204 15:22	JB
Heptachlor	ND	ug/kg	20.6					
Aldrin	ND	ug/kg	20.6					
Heptachlor epoxide	ND	ug/kg	20.6					
Endrin	ND	ug/kg	20.6					
Endrin ketone	ND	ug/kg	20.6					
Dieldrin	ND	ug/kg	20.6					
4,4'-DDE	ND	ug/kg	20.6					
4,4'-DDD	ND	ug/kg	20.6					
4,4'-DDT	ND	ug/kg	20.6					
Endosulfan I	ND	ug/kg	20.6					
Endosulfan II	ND	ug/kg	20.6					
Endosulfan sulfate	ND	ug/kg	20.6					
Methoxychlor	ND	ug/kg	82.3					
trans-Chlordane	ND	ug/kg	20.6					
Chlordane	ND	ug/kg	206.					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	38.0	%	30-150					
Decachlorobiphenyl	80.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901109-05
SB-4 (7'-8')
Sample Matrix: SOIL

Date Collected: 27-JAN-2009 13:10
Date Received : 28-JAN-2009
Date Reported : 09-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	84	%	0.10	30	2540G		0131 16:00	NM
Total Metals								
Aluminum, Total	6000	mg/kg	5.8	1	6010B	0129 13:00	0202 09:42	MG
Antimony, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:42	MG
Arsenic, Total	3.6	mg/kg	0.58	1	6010B	0129 13:00	0202 09:42	MG
Barium, Total	500	mg/kg	0.58	1	6010B	0129 13:00	0202 09:42	MG
Beryllium, Total	0.41	mg/kg	0.29	1	6010B	0129 13:00	0202 09:42	MG
Cadmium, Total	ND	mg/kg	0.58	1	6010B	0129 13:00	0202 09:42	MG
Calcium, Total	24000	mg/kg	58	1	6010B	0129 13:00	0203 09:51	MG
Chromium, Total	12	mg/kg	0.58	1	6010B	0129 13:00	0202 09:42	MG
Cobalt, Total	8.6	mg/kg	1.2	1	6010B	0129 13:00	0202 09:42	MG
Copper, Total	21	mg/kg	0.58	1	6010B	0129 13:00	0202 09:42	MG
Iron, Total	13000	mg/kg	2.9	1	6010B	0129 13:00	0202 09:42	MG
Lead, Total	82	mg/kg	2.9	1	6010B	0129 13:00	0202 09:42	MG
Magnesium, Total	4000	mg/kg	5.8	1	6010B	0129 13:00	0202 09:42	MG
Manganese, Total	550	mg/kg	0.58	1	6010B	0129 13:00	0202 09:42	MG
Mercury, Total	0.15	mg/kg	0.10	1	7471A	0203 20:30	0204 11:06	EZ
Nickel, Total	16	mg/kg	1.4	1	6010B	0129 13:00	0202 09:42	MG
Potassium, Total	920	mg/kg	140	1	6010B	0129 13:00	0202 09:42	MG
Selenium, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:42	MG
Silver, Total	ND	mg/kg	0.58	1	6010B	0129 13:00	0202 09:42	MG
Sodium, Total	170	mg/kg	120	1	6010B	0129 13:00	0202 09:42	MG
Thallium, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:42	MG
Vanadium, Total	17	mg/kg	0.58	1	6010B	0129 13:00	0202 09:42	MG
Zinc, Total	200	mg/kg	2.9	1	6010B	0129 13:00	0202 09:42	MG
Volatile Organics by EPA 8260B				1	8260B		0129 14:52	PD
Methylene chloride	ND	ug/kg	30.					
1,1-Dichloroethane	ND	ug/kg	4.5					
Chloroform	ND	ug/kg	4.5					
Carbon tetrachloride	ND	ug/kg	3.0					
1,2-Dichloropropane	ND	ug/kg	10.					
Dibromochloromethane	ND	ug/kg	3.0					
1,1,2-Trichloroethane	ND	ug/kg	4.5					
Tetrachloroethene	ND	ug/kg	3.0					
Chlorobenzene	ND	ug/kg	3.0					
Trichlorofluoromethane	ND	ug/kg	15.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-05
SB-4 (7'-8')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 14:52	PD
1,2-Dichloroethane	ND	ug/kg	3.0					
1,1,1-Trichloroethane	ND	ug/kg	3.0					
Bromodichloromethane	ND	ug/kg	3.0					
trans-1,3-Dichloropropene	ND	ug/kg	3.0					
cis-1,3-Dichloropropene	ND	ug/kg	3.0					
1,1-Dichloropropene	ND	ug/kg	15.					
Bromoform	ND	ug/kg	12.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.0					
Benzene	ND	ug/kg	3.0					
Toluene	ND	ug/kg	4.5					
Ethylbenzene	ND	ug/kg	3.0					
Chloromethane	ND	ug/kg	15.					
Bromomethane	ND	ug/kg	6.0					
Vinyl chloride	ND	ug/kg	6.0					
Chloroethane	ND	ug/kg	6.0					
1,1-Dichloroethene	ND	ug/kg	3.0					
trans-1,2-Dichloroethene	ND	ug/kg	4.5					
Trichloroethene	ND	ug/kg	3.0					
1,2-Dichlorobenzene	ND	ug/kg	15.					
1,3-Dichlorobenzene	ND	ug/kg	15.					
1,4-Dichlorobenzene	ND	ug/kg	15.					
Methyl tert butyl ether	ND	ug/kg	6.0					
p/m-Xylene	ND	ug/kg	6.0					
o-Xylene	ND	ug/kg	6.0					
cis-1,2-Dichloroethene	ND	ug/kg	3.0					
Dibromomethane	ND	ug/kg	30.					
Styrene	ND	ug/kg	6.0					
Dichlorodifluoromethane	ND	ug/kg	30.					
Acetone	ND	ug/kg	30.					
Carbon disulfide	ND	ug/kg	30.					
2-Butanone	ND	ug/kg	30.					
Vinyl acetate	ND	ug/kg	30.					
4-Methyl-2-pentanone	ND	ug/kg	30.					
1,2,3-Trichloropropane	ND	ug/kg	30.					
2-Hexanone	ND	ug/kg	30.					
Bromochloromethane	ND	ug/kg	15.					
2,2-Dichloropropane	ND	ug/kg	15.					
1,2-Dibromoethane	ND	ug/kg	12.					
1,3-Dichloropropane	ND	ug/kg	15.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.0					
Bromobenzene	ND	ug/kg	15.					
n-Butylbenzene	ND	ug/kg	3.0					
sec-Butylbenzene	ND	ug/kg	3.0					
tert-Butylbenzene	ND	ug/kg	15.					
o-Chlorotoluene	ND	ug/kg	15.					
p-Chlorotoluene	ND	ug/kg	15.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	15.					
Hexachlorobutadiene	ND	ug/kg	15.					
Isopropylbenzene	ND	ug/kg	3.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-05
SB-4 (7'-8')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 14:52	PD
p-Isopropyltoluene	ND	ug/kg	3.0					
Naphthalene	17	ug/kg	15					
Acrylonitrile	ND	ug/kg	30.					
n-Propylbenzene	ND	ug/kg	3.0					
1,2,3-Trichlorobenzene	ND	ug/kg	15.					
1,2,4-Trichlorobenzene	ND	ug/kg	15.					
1,3,5-Trimethylbenzene	ND	ug/kg	15.					
1,2,4-Trimethylbenzene	ND	ug/kg	15.					
1,4-Diethylbenzene	ND	ug/kg	12.					
4-Ethyltoluene	ND	ug/kg	12.					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	12.					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	95.0	%	70-130					
Toluene-d8	102	%	70-130					
4-Bromofluorobenzene	106	%	70-130					
Dibromofluoromethane	90.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0130 02:01	0202 15:55	PS
Acenaphthene	ND	ug/kg	400					
1,2,4-Trichlorobenzene	ND	ug/kg	400					
Hexachlorobenzene	ND	ug/kg	400					
Bis(2-chloroethyl)ether	ND	ug/kg	400					
2-Chloronaphthalene	ND	ug/kg	480					
1,2-Dichlorobenzene	ND	ug/kg	400					
1,3-Dichlorobenzene	ND	ug/kg	400					
1,4-Dichlorobenzene	ND	ug/kg	400					
3,3'-Dichlorobenzidine	ND	ug/kg	790					
2,4-Dinitrotoluene	ND	ug/kg	400					
2,6-Dinitrotoluene	ND	ug/kg	400					
Fluoranthene	ND	ug/kg	400					
4-Chlorophenyl phenyl ether	ND	ug/kg	400					
4-Bromophenyl phenyl ether	ND	ug/kg	400					
Bis(2-chloroisopropyl)ether	ND	ug/kg	400					
Bis(2-chloroethoxy)methane	ND	ug/kg	400					
Hexachlorobutadiene	ND	ug/kg	790					
Hexachlorocyclopentadiene	ND	ug/kg	790					
Hexachloroethane	ND	ug/kg	400					
Isophorone	ND	ug/kg	400					
Naphthalene	ND	ug/kg	400					
Nitrobenzene	ND	ug/kg	400					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1200					
n-Nitrosodi-n-propylamine	ND	ug/kg	400					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	790					
Butyl benzyl phthalate	ND	ug/kg	400					
Di-n-butylphthalate	ND	ug/kg	400					
Di-n-octylphthalate	ND	ug/kg	400					
Diethyl phthalate	ND	ug/kg	400					
Dimethyl phthalate	ND	ug/kg	400					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-05
SB-4 (7'-8')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0202 15:55	PS
Benzo(a)anthracene	ND	ug/kg	400					
Benzo(a)pyrene	ND	ug/kg	400					
Benzo(b)fluoranthene	ND	ug/kg	400					
Benzo(k)fluoranthene	ND	ug/kg	400					
Chrysene	ND	ug/kg	400					
Acenaphthylene	ND	ug/kg	400					
Anthracene	ND	ug/kg	400					
Benzo(ghi)perylene	ND	ug/kg	400					
Fluorene	ND	ug/kg	400					
Phenanthrene	410	ug/kg	400					
Dibenzo(a,h)anthracene	ND	ug/kg	400					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	400					
Pyrene	ND	ug/kg	400					
Biphenyl	ND	ug/kg	400					
4-Chloroaniline	ND	ug/kg	400					
2-Nitroaniline	ND	ug/kg	400					
3-Nitroaniline	ND	ug/kg	400					
4-Nitroaniline	ND	ug/kg	560					
Dibenzofuran	ND	ug/kg	400					
2-Methylnaphthalene	ND	ug/kg	400					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600					
Acetophenone	ND	ug/kg	1600					
2,4,6-Trichlorophenol	ND	ug/kg	400					
P-Chloro-M-Cresol	ND	ug/kg	400					
2-Chlorophenol	ND	ug/kg	480					
2,4-Dichlorophenol	ND	ug/kg	790					
2,4-Dimethylphenol	ND	ug/kg	400					
2-Nitrophenol	ND	ug/kg	1600					
4-Nitrophenol	ND	ug/kg	790					
2,4-Dinitrophenol	ND	ug/kg	1600					
4,6-Dinitro-o-cresol	ND	ug/kg	1600					
Pentachlorophenol	ND	ug/kg	1600					
Phenol	ND	ug/kg	560					
2-Methylphenol	ND	ug/kg	480					
3-Methylphenol/4-Methylphenol	ND	ug/kg	480					
2,4,5-Trichlorophenol	ND	ug/kg	400					
Benzoic Acid	ND	ug/kg	4000					
Benzyl Alcohol	ND	ug/kg	790					
Carbazole	ND	ug/kg	400					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	30.0	%	25-120					
Phenol-d6	30.0	%	10-120					
Nitrobenzene-d5	30.0	%	23-120					
2-Fluorobiphenyl	30.0	%	30-120					
2,4,6-Tribromophenol	34.0	%	19-120					
4-Terphenyl-d14	34.0	%	18-120					
Semivolatile Organics by EPA 8270C				1	8270C	0130 02:01	0202 15:55	PS

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-05
SB-4 (7'-8')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0202 15:55	PS
Tentatively Identified Compounds								
Unknown	1300	ug/kg						
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0203 22:45	0204 12:06	AK
Acenaphthene	1400	ug/kg	79					
2-Chloronaphthalene	ND	ug/kg	79.					
Fluoranthene	15000	ug/kg	79					
Hexachlorobutadiene	ND	ug/kg	200					
Naphthalene	650	ug/kg	79					
Benzo(a)anthracene	7500	ug/kg	79					
Benzo(a)pyrene	5900	ug/kg	79					
Benzo(b)fluoranthene	7400	ug/kg	79					
Benzo(k)fluoranthene	2200	ug/kg	79					
Chrysene	9000	ug/kg	79					
Acenaphthylene	460	ug/kg	79					
Anthracene	3400	ug/kg	79					
Benzo(ghi)perylene	3600	ug/kg	79					
Fluorene	1400	ug/kg	79					
Phenanthrene	16000	ug/kg	79					
Dibenzo(a,h)anthracene	950	ug/kg	79					
Indeno(1,2,3-cd)Pyrene	2800	ug/kg	79					
Pyrene	16000	ug/kg	79					
2-Methylnaphthalene	520	ug/kg	79					
Pentachlorophenol	ND	ug/kg	320					
Hexachlorobenzene	ND	ug/kg	320					
Hexachloroethane	ND	ug/kg	320					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	99.0	%	25-120					
Phenol-d6	103	%	10-120					
Nitrobenzene-d5	88.0	%	23-120					
2-Fluorobiphenyl	82.0	%	30-120					
2,4,6-Tribromophenol	96.0	%	19-120					
4-Terphenyl-d14	101	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0130 02:18	0202 10:14	SH
Aroclor 1016	ND	ug/kg	39.7					
Aroclor 1221	ND	ug/kg	39.7					
Aroclor 1232	ND	ug/kg	39.7					
Aroclor 1242	ND	ug/kg	39.7					
Aroclor 1248	ND	ug/kg	39.7					
Aroclor 1254	ND	ug/kg	39.7					
Aroclor 1260	ND	ug/kg	39.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	85.0	%	30-150					
Decachlorobiphenyl	57.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 02:21	0203 20:58	JB

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-05
SB-4 (7'-8')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0131 02:21	0203 20:58	JB
Delta-BHC	ND	ug/kg	3.97					
Lindane	ND	ug/kg	3.97					
Alpha-BHC	ND	ug/kg	3.97					
Beta-BHC	ND	ug/kg	3.97					
Heptachlor	ND	ug/kg	3.97					
Aldrin	ND	ug/kg	3.97					
Heptachlor epoxide	ND	ug/kg	3.97					
Endrin	ND	ug/kg	3.97					
Endrin ketone	ND	ug/kg	3.97					
Dieldrin	ND	ug/kg	3.97					
4,4'-DDE	ND	ug/kg	3.97					
4,4'-DDD	ND	ug/kg	3.97					
4,4'-DDT	22.2	ug/kg	3.97					
Endosulfan I	ND	ug/kg	3.97					
Endosulfan II	ND	ug/kg	3.97					
Endosulfan sulfate	ND	ug/kg	3.97					
Methoxychlor	ND	ug/kg	15.9					
trans-Chlordane	ND	ug/kg	3.97					
Chlordane	ND	ug/kg	39.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	60.0	%	30-150					
Decachlorobiphenyl	86.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901109-06
SB-5 (9'-10')
Sample Matrix: SOIL

Date Collected: 27-JAN-2009 14:00
Date Received : 28-JAN-2009
Date Reported : 09-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	81	%	0.10	30	2540G		0131 16:00	NM
Total Metals								
Aluminum, Total	7200	mg/kg	6.0	1	6010B	0129 13:00	0202 09:45	MG
Antimony, Total	ND	mg/kg	3.0	1	6010B	0129 13:00	0202 09:45	MG
Arsenic, Total	2.9	mg/kg	0.60	1	6010B	0129 13:00	0202 09:45	MG
Barium, Total	24	mg/kg	0.60	1	6010B	0129 13:00	0202 09:45	MG
Beryllium, Total	0.42	mg/kg	0.30	1	6010B	0129 13:00	0202 09:45	MG
Cadmium, Total	ND	mg/kg	0.60	1	6010B	0129 13:00	0202 09:45	MG
Calcium, Total	1200	mg/kg	6.0	1	6010B	0129 13:00	0202 09:45	MG
Chromium, Total	12	mg/kg	0.60	1	6010B	0129 13:00	0202 09:45	MG
Cobalt, Total	6.0	mg/kg	1.2	1	6010B	0129 13:00	0202 09:45	MG
Copper, Total	14	mg/kg	0.60	1	6010B	0129 13:00	0202 09:45	MG
Iron, Total	16000	mg/kg	3.0	1	6010B	0129 13:00	0202 09:45	MG
Lead, Total	4.8	mg/kg	3.0	1	6010B	0129 13:00	0202 09:45	MG
Magnesium, Total	3200	mg/kg	6.0	1	6010B	0129 13:00	0202 09:45	MG
Manganese, Total	170	mg/kg	0.60	1	6010B	0129 13:00	0202 09:45	MG
Mercury, Total	ND	mg/kg	0.09	1	7471A	0203 20:30	0204 11:08	EZ
Nickel, Total	14	mg/kg	1.5	1	6010B	0129 13:00	0202 09:45	MG
Potassium, Total	1100	mg/kg	150	1	6010B	0129 13:00	0202 09:45	MG
Selenium, Total	ND	mg/kg	3.0	1	6010B	0129 13:00	0202 09:45	MG
Silver, Total	ND	mg/kg	0.60	1	6010B	0129 13:00	0202 09:45	MG
Sodium, Total	ND	mg/kg	120	1	6010B	0129 13:00	0202 09:45	MG
Thallium, Total	ND	mg/kg	3.0	1	6010B	0129 13:00	0202 09:45	MG
Vanadium, Total	14	mg/kg	0.60	1	6010B	0129 13:00	0202 09:45	MG
Zinc, Total	43	mg/kg	3.0	1	6010B	0129 13:00	0202 09:45	MG
Volatile Organics by EPA 8260B				1	8260B		0130 11:37	PD
Methylene chloride	ND	ug/kg	12000					
1,1-Dichloroethane	ND	ug/kg	1800					
Chloroform	ND	ug/kg	1800					
Carbon tetrachloride	ND	ug/kg	1200					
1,2-Dichloropropane	ND	ug/kg	4300					
Dibromochloromethane	ND	ug/kg	1200					
1,1,2-Trichloroethane	ND	ug/kg	1800					
Tetrachloroethene	ND	ug/kg	1200					
Chlorobenzene	ND	ug/kg	1200					
Trichlorofluoromethane	ND	ug/kg	6200					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-06
SB-5 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0130 11:37	PD
1,2-Dichloroethane	ND	ug/kg	1200					
1,1,1-Trichloroethane	ND	ug/kg	1200					
Bromodichloromethane	ND	ug/kg	1200					
trans-1,3-Dichloropropene	ND	ug/kg	1200					
cis-1,3-Dichloropropene	ND	ug/kg	1200					
1,1-Dichloropropene	ND	ug/kg	6200					
Bromoform	ND	ug/kg	4900					
1,1,2,2-Tetrachloroethane	ND	ug/kg	1200					
Benzene	ND	ug/kg	1200					
Toluene	ND	ug/kg	1800					
Ethylbenzene	ND	ug/kg	1200					
Chloromethane	ND	ug/kg	6200					
Bromomethane	ND	ug/kg	2500					
Vinyl chloride	ND	ug/kg	2500					
Chloroethane	ND	ug/kg	2500					
1,1-Dichloroethene	ND	ug/kg	1200					
trans-1,2-Dichloroethene	ND	ug/kg	1800					
Trichloroethene	ND	ug/kg	1200					
1,2-Dichlorobenzene	ND	ug/kg	6200					
1,3-Dichlorobenzene	ND	ug/kg	6200					
1,4-Dichlorobenzene	ND	ug/kg	6200					
Methyl tert butyl ether	ND	ug/kg	2500					
p/m-Xylene	ND	ug/kg	2500					
o-Xylene	ND	ug/kg	2500					
cis-1,2-Dichloroethene	ND	ug/kg	1200					
Dibromomethane	ND	ug/kg	12000					
Styrene	ND	ug/kg	2500					
Dichlorodifluoromethane	ND	ug/kg	12000					
Acetone	ND	ug/kg	12000					
Carbon disulfide	ND	ug/kg	12000					
2-Butanone	ND	ug/kg	12000					
Vinyl acetate	ND	ug/kg	12000					
4-Methyl-2-pentanone	ND	ug/kg	12000					
1,2,3-Trichloropropane	ND	ug/kg	12000					
2-Hexanone	ND	ug/kg	12000					
Bromochloromethane	ND	ug/kg	6200					
2,2-Dichloropropane	ND	ug/kg	6200					
1,2-Dibromoethane	ND	ug/kg	4900					
1,3-Dichloropropane	ND	ug/kg	6200					
1,1,1,2-Tetrachloroethane	ND	ug/kg	1200					
Bromobenzene	ND	ug/kg	6200					
n-Butylbenzene	2100	ug/kg	1200					
sec-Butylbenzene	2000	ug/kg	1200					
tert-Butylbenzene	ND	ug/kg	6200					
o-Chlorotoluene	ND	ug/kg	6200					
p-Chlorotoluene	ND	ug/kg	6200					
1,2-Dibromo-3-chloropropane	ND	ug/kg	6200					
Hexachlorobutadiene	ND	ug/kg	6200					
Isopropylbenzene	ND	ug/kg	1200					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-06
SB-5 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0130 11:37	PD
p-Isopropyltoluene	ND	ug/kg	1200					
Naphthalene	ND	ug/kg	6200					
Acrylonitrile	ND	ug/kg	12000					
n-Propylbenzene	ND	ug/kg	1200					
1,2,3-Trichlorobenzene	ND	ug/kg	6200					
1,2,4-Trichlorobenzene	ND	ug/kg	6200					
1,3,5-Trimethylbenzene	ND	ug/kg	6200					
1,2,4-Trimethylbenzene	ND	ug/kg	6200					
1,4-Diethylbenzene	ND	ug/kg	4900					
4-Ethyltoluene	ND	ug/kg	4900					
1,2,4,5-Tetramethylbenzene	9300	ug/kg	4900					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	94.0	%	70-130					
Toluene-d8	104	%	70-130					
4-Bromofluorobenzene	107	%	70-130					
Dibromofluoromethane	91.0	%	70-130					
Volatile Organics by EPA 8260B				1	8260B		0130 11:37	PD
Tentatively Identified Compounds								
Unknown C10H12	33000	ug/kg						
Unknown C10H14	28000	ug/kg						
Unknown C11H16	23000	ug/kg						
Unknown C11H14	23000	ug/kg						
Unknown Alkane	32000	ug/kg						
Unknown C12H16	24000	ug/kg						
Unknown C11H10	26000	ug/kg						
Unknown C12H12	33000	ug/kg						
Unknown C12H12	36000	ug/kg						
Unknown C12H12	25000	ug/kg						
Semivolatile Organics by EPA 8270C				1	8270C	0130 02:01	0131 23:24	PS
Acenaphthene	ND	ug/kg	410					
1,2,4-Trichlorobenzene	ND	ug/kg	410					
Hexachlorobenzene	ND	ug/kg	410					
Bis(2-chloroethyl)ether	ND	ug/kg	410					
2-Chloronaphthalene	ND	ug/kg	490					
1,2-Dichlorobenzene	ND	ug/kg	410					
1,3-Dichlorobenzene	ND	ug/kg	410					
1,4-Dichlorobenzene	ND	ug/kg	410					
3,3'-Dichlorobenzidine	ND	ug/kg	820					
2,4-Dinitrotoluene	ND	ug/kg	410					
2,6-Dinitrotoluene	ND	ug/kg	410					
Fluoranthene	ND	ug/kg	410					
4-Chlorophenyl phenyl ether	ND	ug/kg	410					
4-Bromophenyl phenyl ether	ND	ug/kg	410					
Bis(2-chloroisopropyl)ether	ND	ug/kg	410					
Bis(2-chloroethoxy)methane	ND	ug/kg	410					
Hexachlorobutadiene	ND	ug/kg	820					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-06
SB-5 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0131 23:24	PS
Hexachlorocyclopentadiene	ND	ug/kg	820					
Hexachloroethane	ND	ug/kg	410					
Isophorone	ND	ug/kg	410					
Naphthalene	ND	ug/kg	410					
Nitrobenzene	ND	ug/kg	410					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1200					
n-Nitrosodi-n-propylamine	ND	ug/kg	410					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	820					
Butyl benzyl phthalate	ND	ug/kg	410					
Di-n-butylphthalate	ND	ug/kg	410					
Di-n-octylphthalate	ND	ug/kg	410					
Diethyl phthalate	ND	ug/kg	410					
Dimethyl phthalate	ND	ug/kg	410					
Benzo(a)anthracene	ND	ug/kg	410					
Benzo(a)pyrene	ND	ug/kg	410					
Benzo(b)fluoranthene	ND	ug/kg	410					
Benzo(k)fluoranthene	ND	ug/kg	410					
Chrysene	ND	ug/kg	410					
Acenaphthylene	ND	ug/kg	410					
Anthracene	ND	ug/kg	410					
Benzo(ghi)perylene	ND	ug/kg	410					
Fluorene	ND	ug/kg	410					
Phenanthrene	ND	ug/kg	410					
Dibenzo(a,h)anthracene	ND	ug/kg	410					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	410					
Pyrene	ND	ug/kg	410					
Biphenyl	ND	ug/kg	410					
4-Chloroaniline	ND	ug/kg	410					
2-Nitroaniline	ND	ug/kg	410					
3-Nitroaniline	ND	ug/kg	410					
4-Nitroaniline	ND	ug/kg	580					
Dibenzofuran	ND	ug/kg	410					
2-Methylnaphthalene	ND	ug/kg	410					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600					
Acetophenone	ND	ug/kg	1600					
2,4,6-Trichlorophenol	ND	ug/kg	410					
P-Chloro-M-Cresol	ND	ug/kg	410					
2-Chlorophenol	ND	ug/kg	490					
2,4-Dichlorophenol	ND	ug/kg	820					
2,4-Dimethylphenol	ND	ug/kg	410					
2-Nitrophenol	ND	ug/kg	1600					
4-Nitrophenol	ND	ug/kg	820					
2,4-Dinitrophenol	ND	ug/kg	1600					
4,6-Dinitro-o-cresol	ND	ug/kg	1600					
Pentachlorophenol	ND	ug/kg	1600					
Phenol	ND	ug/kg	580					
2-Methylphenol	ND	ug/kg	490					
3-Methylphenol/4-Methylphenol	ND	ug/kg	490					
2,4,5-Trichlorophenol	ND	ug/kg	410					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-06
SB-5 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0131 23:24	PS
Benzoic Acid	ND	ug/kg	4100					
Benzyl Alcohol	ND	ug/kg	820					
Carbazole	ND	ug/kg	410					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	68.0	%	25-120					
Phenol-d6	74.0	%	10-120					
Nitrobenzene-d5	71.0	%	23-120					
2-Fluorobiphenyl	68.0	%	30-120					
2,4,6-Tribromophenol	74.0	%	19-120					
4-Terphenyl-d14	83.0	%	18-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 02:01	0131 21:01	ND
Acenaphthene	80	ug/kg	16					
2-Chloronaphthalene	ND	ug/kg	16.					
Fluoranthene	40	ug/kg	16					
Hexachlorobutadiene	ND	ug/kg	41.					
Naphthalene	ND	ug/kg	16.					
Benzo(a)anthracene	31	ug/kg	16					
Benzo(a)pyrene	20	ug/kg	16					
Benzo(b)fluoranthene	25	ug/kg	16					
Benzo(k)fluoranthene	ND	ug/kg	16.					
Chrysene	71	ug/kg	16					
Acenaphthylene	ND	ug/kg	16.					
Anthracene	ND	ug/kg	16.					
Benzo(ghi)perylene	ND	ug/kg	16.					
Fluorene	19	ug/kg	16					
Phenanthrene	ND	ug/kg	16.					
Dibenzo(a,h)anthracene	ND	ug/kg	16.					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	16.					
Pyrene	65	ug/kg	16					
2-Methylnaphthalene	ND	ug/kg	16.					
Pentachlorophenol	ND	ug/kg	66.					
Hexachlorobenzene	ND	ug/kg	66.					
Hexachloroethane	ND	ug/kg	66.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	66.0	%	25-120					
Phenol-d6	82.0	%	10-120					
Nitrobenzene-d5	79.0	%	23-120					
2-Fluorobiphenyl	70.0	%	30-120					
2,4,6-Tribromophenol	74.0	%	19-120					
4-Terphenyl-d14	69.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0130 02:18	0202 10:26	SH
Aroclor 1016	ND	ug/kg	41.2					
Aroclor 1221	ND	ug/kg	41.2					
Aroclor 1232	ND	ug/kg	41.2					
Aroclor 1242	ND	ug/kg	41.2					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-06
SB-5 (9'-10')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Polychlorinated Biphenyls by EPA 8082 cont'd				1	8082	0130 02:18	0202 10:26	SH
Aroclor 1248	ND	ug/kg	41.2					
Aroclor 1254	ND	ug/kg	41.2					
Aroclor 1260	ND	ug/kg	41.2					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	60.0	%	30-150					
Decachlorobiphenyl	51.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 02:21	0203 21:51	JB
Delta-BHC	ND	ug/kg	4.12					
Lindane	ND	ug/kg	4.12					
Alpha-BHC	ND	ug/kg	4.12					
Beta-BHC	ND	ug/kg	4.12					
Heptachlor	ND	ug/kg	4.12					
Aldrin	ND	ug/kg	4.12					
Heptachlor epoxide	ND	ug/kg	4.12					
Endrin	ND	ug/kg	4.12					
Endrin ketone	ND	ug/kg	4.12					
Dieldrin	ND	ug/kg	4.12					
4,4'-DDE	7.53	ug/kg	4.12					
4,4'-DDD	16.1	ug/kg	4.12					
4,4'-DDT	30.2	ug/kg	4.12					
Endosulfan I	ND	ug/kg	4.12					
Endosulfan II	ND	ug/kg	4.12					
Endosulfan sulfate	ND	ug/kg	4.12					
Methoxychlor	ND	ug/kg	16.5					
trans-Chlordane	ND	ug/kg	4.12					
Chlordane	ND	ug/kg	41.2					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	38.0	%	30-150					
Decachlorobiphenyl	61.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901109-07
SB-7 (6'-7')
Sample Matrix: SOIL

Date Collected: 27-JAN-2009 14:25
Date Received : 28-JAN-2009
Date Reported : 09-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	84	%	0.10	30	2540G		0131 16:00	NM
Total Metals								
Aluminum, Total	9500	mg/kg	5.9	1	6010B	0129 13:00	0202 09:48	MG
Antimony, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:48	MG
Arsenic, Total	2.3	mg/kg	0.59	1	6010B	0129 13:00	0202 09:48	MG
Barium, Total	35	mg/kg	0.59	1	6010B	0129 13:00	0202 09:48	MG
Beryllium, Total	0.43	mg/kg	0.29	1	6010B	0129 13:00	0202 09:48	MG
Cadmium, Total	ND	mg/kg	0.59	1	6010B	0129 13:00	0202 09:48	MG
Calcium, Total	2000	mg/kg	5.9	1	6010B	0129 13:00	0202 09:48	MG
Chromium, Total	21	mg/kg	0.59	1	6010B	0129 13:00	0202 09:48	MG
Cobalt, Total	8.0	mg/kg	1.2	1	6010B	0129 13:00	0202 09:48	MG
Copper, Total	15	mg/kg	0.59	1	6010B	0129 13:00	0202 09:48	MG
Iron, Total	19000	mg/kg	2.9	1	6010B	0129 13:00	0202 09:48	MG
Lead, Total	7.5	mg/kg	2.9	1	6010B	0129 13:00	0202 09:48	MG
Magnesium, Total	3400	mg/kg	5.9	1	6010B	0129 13:00	0202 09:48	MG
Manganese, Total	200	mg/kg	0.59	1	6010B	0129 13:00	0202 09:48	MG
Mercury, Total	ND	mg/kg	0.10	1	7471A	0203 20:30	0204 11:13	EZ
Nickel, Total	14	mg/kg	1.5	1	6010B	0129 13:00	0202 09:48	MG
Potassium, Total	1000	mg/kg	150	1	6010B	0129 13:00	0202 09:48	MG
Selenium, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:48	MG
Silver, Total	ND	mg/kg	0.59	1	6010B	0129 13:00	0202 09:48	MG
Sodium, Total	ND	mg/kg	120	1	6010B	0129 13:00	0202 09:48	MG
Thallium, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:48	MG
Vanadium, Total	21	mg/kg	0.59	1	6010B	0129 13:00	0202 09:48	MG
Zinc, Total	45	mg/kg	2.9	1	6010B	0129 13:00	0202 09:48	MG
Volatile Organics by EPA 8260B				1	8260B		0129 15:29	PD
Methylene chloride	ND	ug/kg	30.					
1,1-Dichloroethane	ND	ug/kg	4.5					
Chloroform	ND	ug/kg	4.5					
Carbon tetrachloride	ND	ug/kg	3.0					
1,2-Dichloropropane	ND	ug/kg	10.					
Dibromochloromethane	ND	ug/kg	3.0					
1,1,2-Trichloroethane	ND	ug/kg	4.5					
Tetrachloroethene	ND	ug/kg	3.0					
Chlorobenzene	ND	ug/kg	3.0					
Trichlorofluoromethane	ND	ug/kg	15.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-07
SB-7 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 15:29	PD
1,2-Dichloroethane	ND	ug/kg	3.0					
1,1,1-Trichloroethane	ND	ug/kg	3.0					
Bromodichloromethane	ND	ug/kg	3.0					
trans-1,3-Dichloropropene	ND	ug/kg	3.0					
cis-1,3-Dichloropropene	ND	ug/kg	3.0					
1,1-Dichloropropene	ND	ug/kg	15.					
Bromoform	ND	ug/kg	12.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.0					
Benzene	ND	ug/kg	3.0					
Toluene	ND	ug/kg	4.5					
Ethylbenzene	ND	ug/kg	3.0					
Chloromethane	ND	ug/kg	15.					
Bromomethane	ND	ug/kg	6.0					
Vinyl chloride	ND	ug/kg	6.0					
Chloroethane	ND	ug/kg	6.0					
1,1-Dichloroethene	ND	ug/kg	3.0					
trans-1,2-Dichloroethene	ND	ug/kg	4.5					
Trichloroethene	ND	ug/kg	3.0					
1,2-Dichlorobenzene	ND	ug/kg	15.					
1,3-Dichlorobenzene	ND	ug/kg	15.					
1,4-Dichlorobenzene	ND	ug/kg	15.					
Methyl tert butyl ether	ND	ug/kg	6.0					
p/m-Xylene	ND	ug/kg	6.0					
o-Xylene	ND	ug/kg	6.0					
cis-1,2-Dichloroethene	ND	ug/kg	3.0					
Dibromomethane	ND	ug/kg	30.					
Styrene	ND	ug/kg	6.0					
Dichlorodifluoromethane	ND	ug/kg	30.					
Acetone	ND	ug/kg	30.					
Carbon disulfide	ND	ug/kg	30.					
2-Butanone	ND	ug/kg	30.					
Vinyl acetate	ND	ug/kg	30.					
4-Methyl-2-pentanone	ND	ug/kg	30.					
1,2,3-Trichloropropane	ND	ug/kg	30.					
2-Hexanone	ND	ug/kg	30.					
Bromochloromethane	ND	ug/kg	15.					
2,2-Dichloropropane	ND	ug/kg	15.					
1,2-Dibromoethane	ND	ug/kg	12.					
1,3-Dichloropropane	ND	ug/kg	15.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.0					
Bromobenzene	ND	ug/kg	15.					
n-Butylbenzene	ND	ug/kg	3.0					
sec-Butylbenzene	ND	ug/kg	3.0					
tert-Butylbenzene	ND	ug/kg	15.					
o-Chlorotoluene	ND	ug/kg	15.					
p-Chlorotoluene	ND	ug/kg	15.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	15.					
Hexachlorobutadiene	ND	ug/kg	15.					
Isopropylbenzene	ND	ug/kg	3.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-07
SB-7 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 15:29	PD
p-Isopropyltoluene	ND	ug/kg	3.0					
Naphthalene	ND	ug/kg	15.					
Acrylonitrile	ND	ug/kg	30.					
n-Propylbenzene	ND	ug/kg	3.0					
1,2,3-Trichlorobenzene	ND	ug/kg	15.					
1,2,4-Trichlorobenzene	ND	ug/kg	15.					
1,3,5-Trimethylbenzene	ND	ug/kg	15.					
1,2,4-Trimethylbenzene	ND	ug/kg	15.					
1,4-Diethylbenzene	ND	ug/kg	12.					
4-Ethyltoluene	ND	ug/kg	12.					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	12.					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	108	%	70-130					
Toluene-d8	113	%	70-130					
4-Bromofluorobenzene	114	%	70-130					
Dibromofluoromethane	103	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0130 02:01	0202 16:18	PS
Acenaphthene	ND	ug/kg	400					
1,2,4-Trichlorobenzene	ND	ug/kg	400					
Hexachlorobenzene	ND	ug/kg	400					
Bis(2-chloroethyl)ether	ND	ug/kg	400					
2-Chloronaphthalene	ND	ug/kg	480					
1,2-Dichlorobenzene	ND	ug/kg	400					
1,3-Dichlorobenzene	ND	ug/kg	400					
1,4-Dichlorobenzene	ND	ug/kg	400					
3,3'-Dichlorobenzidine	ND	ug/kg	790					
2,4-Dinitrotoluene	ND	ug/kg	400					
2,6-Dinitrotoluene	ND	ug/kg	400					
Fluoranthene	ND	ug/kg	400					
4-Chlorophenyl phenyl ether	ND	ug/kg	400					
4-Bromophenyl phenyl ether	ND	ug/kg	400					
Bis(2-chloroisopropyl)ether	ND	ug/kg	400					
Bis(2-chloroethoxy)methane	ND	ug/kg	400					
Hexachlorobutadiene	ND	ug/kg	790					
Hexachlorocyclopentadiene	ND	ug/kg	790					
Hexachloroethane	ND	ug/kg	400					
Isophorone	ND	ug/kg	400					
Naphthalene	ND	ug/kg	400					
Nitrobenzene	ND	ug/kg	400					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1200					
n-Nitrosodi-n-propylamine	ND	ug/kg	400					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	790					
Butyl benzyl phthalate	ND	ug/kg	400					
Di-n-butylphthalate	ND	ug/kg	400					
Di-n-octylphthalate	ND	ug/kg	400					
Diethyl phthalate	ND	ug/kg	400					
Dimethyl phthalate	ND	ug/kg	400					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-07
SB-7 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0202 16:18	PS
Benzo(a)anthracene	ND	ug/kg	400					
Benzo(a)pyrene	ND	ug/kg	400					
Benzo(b)fluoranthene	ND	ug/kg	400					
Benzo(k)fluoranthene	ND	ug/kg	400					
Chrysene	ND	ug/kg	400					
Acenaphthylene	ND	ug/kg	400					
Anthracene	ND	ug/kg	400					
Benzo(ghi)perylene	ND	ug/kg	400					
Fluorene	ND	ug/kg	400					
Phenanthrene	ND	ug/kg	400					
Dibenzo(a,h)anthracene	ND	ug/kg	400					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	400					
Pyrene	ND	ug/kg	400					
Biphenyl	ND	ug/kg	400					
4-Chloroaniline	ND	ug/kg	400					
2-Nitroaniline	ND	ug/kg	400					
3-Nitroaniline	ND	ug/kg	400					
4-Nitroaniline	ND	ug/kg	560					
Dibenzofuran	ND	ug/kg	400					
2-Methylnaphthalene	ND	ug/kg	400					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600					
Acetophenone	ND	ug/kg	1600					
2,4,6-Trichlorophenol	ND	ug/kg	400					
P-Chloro-M-Cresol	ND	ug/kg	400					
2-Chlorophenol	ND	ug/kg	480					
2,4-Dichlorophenol	ND	ug/kg	790					
2,4-Dimethylphenol	ND	ug/kg	400					
2-Nitrophenol	ND	ug/kg	1600					
4-Nitrophenol	ND	ug/kg	790					
2,4-Dinitrophenol	ND	ug/kg	1600					
4,6-Dinitro-o-cresol	ND	ug/kg	1600					
Pentachlorophenol	ND	ug/kg	1600					
Phenol	ND	ug/kg	560					
2-Methylphenol	ND	ug/kg	480					
3-Methylphenol/4-Methylphenol	ND	ug/kg	480					
2,4,5-Trichlorophenol	ND	ug/kg	400					
Benzoic Acid	ND	ug/kg	4000					
Benzyl Alcohol	ND	ug/kg	790					
Carbazole	ND	ug/kg	400					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	27.0	%	25-120					
Phenol-d6	29.0	%	10-120					
Nitrobenzene-d5	27.0	%	23-120					
2-Fluorobiphenyl	30.0	%	30-120					
2,4,6-Tribromophenol	31.0	%	19-120					
4-Terphenyl-d14	40.0	%	18-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0203 22:45	0204 12:35	AK

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-07
SB-7 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0203 22:45	0204 12:35	AK
Acenaphthene	ND	ug/kg	16.					
2-Chloronaphthalene	ND	ug/kg	16.					
Fluoranthene	ND	ug/kg	16.					
Hexachlorobutadiene	ND	ug/kg	40.					
Naphthalene	ND	ug/kg	16.					
Benzo(a)anthracene	ND	ug/kg	16.					
Benzo(a)pyrene	ND	ug/kg	16.					
Benzo(b)fluoranthene	ND	ug/kg	16.					
Benzo(k)fluoranthene	ND	ug/kg	16.					
Chrysene	ND	ug/kg	16.					
Acenaphthylene	ND	ug/kg	16.					
Anthracene	ND	ug/kg	16.					
Benzo(ghi)perylene	ND	ug/kg	16.					
Fluorene	ND	ug/kg	16.					
Phenanthrene	ND	ug/kg	16.					
Dibenzo(a,h)anthracene	ND	ug/kg	16.					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	16.					
Pyrene	ND	ug/kg	16.					
2-Methylnaphthalene	ND	ug/kg	16.					
Pentachlorophenol	ND	ug/kg	63.					
Hexachlorobenzene	ND	ug/kg	63.					
Hexachloroethane	ND	ug/kg	63.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	64.0	%	25-120					
Phenol-d6	80.0	%	10-120					
Nitrobenzene-d5	75.0	%	23-120					
2-Fluorobiphenyl	62.0	%	30-120					
2,4,6-Tribromophenol	78.0	%	19-120					
4-Terphenyl-d14	65.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0130 02:18	0202 10:38	SH
Aroclor 1016	ND	ug/kg	39.7					
Aroclor 1221	ND	ug/kg	39.7					
Aroclor 1232	ND	ug/kg	39.7					
Aroclor 1242	ND	ug/kg	39.7					
Aroclor 1248	ND	ug/kg	39.7					
Aroclor 1254	ND	ug/kg	39.7					
Aroclor 1260	ND	ug/kg	39.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	81.0	%	30-150					
Decachlorobiphenyl	58.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 02:21	0203 21:25	JB
Delta-BHC	ND	ug/kg	3.97					
Lindane	ND	ug/kg	3.97					
Alpha-BHC	ND	ug/kg	3.97					
Beta-BHC	ND	ug/kg	3.97					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-07
SB-7 (6'-7')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0131 02:21	0203 21:25	JB
Heptachlor	ND	ug/kg	3.97					
Aldrin	ND	ug/kg	3.97					
Heptachlor epoxide	ND	ug/kg	3.97					
Endrin	ND	ug/kg	3.97					
Endrin ketone	ND	ug/kg	3.97					
Dieldrin	ND	ug/kg	3.97					
4,4'-DDE	ND	ug/kg	3.97					
4,4'-DDD	ND	ug/kg	3.97					
4,4'-DDT	ND	ug/kg	3.97					
Endosulfan I	ND	ug/kg	3.97					
Endosulfan II	ND	ug/kg	3.97					
Endosulfan sulfate	ND	ug/kg	3.97					
Methoxychlor	ND	ug/kg	15.9					
trans-Chlordane	ND	ug/kg	3.97					
Chlordane	ND	ug/kg	39.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	56.0	%	30-150					
Decachlorobiphenyl	83.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901109-08
SB-8 (8'-9')
Sample Matrix: SOIL

Date Collected: 27-JAN-2009 15:30
Date Received : 28-JAN-2009
Date Reported : 09-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Amber,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	84	%	0.10	30	2540G		0131 16:00	NM
Total Metals								
Aluminum, Total	5900	mg/kg	5.8	1	6010B	0129 13:00	0202 09:51	MG
Antimony, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:51	MG
Arsenic, Total	2.0	mg/kg	0.58	1	6010B	0129 13:00	0202 09:51	MG
Barium, Total	79	mg/kg	0.58	1	6010B	0129 13:00	0202 09:51	MG
Beryllium, Total	0.37	mg/kg	0.29	1	6010B	0129 13:00	0202 09:51	MG
Cadmium, Total	ND	mg/kg	0.58	1	6010B	0129 13:00	0202 09:51	MG
Calcium, Total	1100	mg/kg	5.8	1	6010B	0129 13:00	0202 09:51	MG
Chromium, Total	12	mg/kg	0.58	1	6010B	0129 13:00	0202 09:51	MG
Cobalt, Total	6.4	mg/kg	1.2	1	6010B	0129 13:00	0202 09:51	MG
Copper, Total	12	mg/kg	0.58	1	6010B	0129 13:00	0202 09:51	MG
Iron, Total	13000	mg/kg	2.9	1	6010B	0129 13:00	0202 09:51	MG
Lead, Total	12	mg/kg	2.9	1	6010B	0129 13:00	0202 09:51	MG
Magnesium, Total	2600	mg/kg	5.8	1	6010B	0129 13:00	0202 09:51	MG
Manganese, Total	120	mg/kg	0.58	1	6010B	0129 13:00	0202 09:51	MG
Mercury, Total	0.10	mg/kg	0.09	1	7471A	0203 20:30	0204 11:15	EZ
Nickel, Total	12	mg/kg	1.5	1	6010B	0129 13:00	0202 09:51	MG
Potassium, Total	730	mg/kg	150	1	6010B	0129 13:00	0202 09:51	MG
Selenium, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:51	MG
Silver, Total	ND	mg/kg	0.58	1	6010B	0129 13:00	0202 09:51	MG
Sodium, Total	ND	mg/kg	120	1	6010B	0129 13:00	0202 09:51	MG
Thallium, Total	ND	mg/kg	2.9	1	6010B	0129 13:00	0202 09:51	MG
Vanadium, Total	11	mg/kg	0.58	1	6010B	0129 13:00	0202 09:51	MG
Zinc, Total	79	mg/kg	2.9	1	6010B	0129 13:00	0202 09:51	MG
Volatile Organics by EPA 8260B				1	8260B		0129 16:06	PD
Methylene chloride	ND	ug/kg	30.					
1,1-Dichloroethane	ND	ug/kg	4.5					
Chloroform	ND	ug/kg	4.5					
Carbon tetrachloride	ND	ug/kg	3.0					
1,2-Dichloropropane	ND	ug/kg	10.					
Dibromochloromethane	ND	ug/kg	3.0					
1,1,2-Trichloroethane	ND	ug/kg	4.5					
Tetrachloroethene	ND	ug/kg	3.0					
Chlorobenzene	ND	ug/kg	3.0					
Trichlorofluoromethane	ND	ug/kg	15.					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-08
SB-8 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 16:06	PD
1,2-Dichloroethane	ND	ug/kg	3.0					
1,1,1-Trichloroethane	ND	ug/kg	3.0					
Bromodichloromethane	ND	ug/kg	3.0					
trans-1,3-Dichloropropene	ND	ug/kg	3.0					
cis-1,3-Dichloropropene	ND	ug/kg	3.0					
1,1-Dichloropropene	ND	ug/kg	15.					
Bromoform	ND	ug/kg	12.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.0					
Benzene	ND	ug/kg	3.0					
Toluene	ND	ug/kg	4.5					
Ethylbenzene	ND	ug/kg	3.0					
Chloromethane	ND	ug/kg	15.					
Bromomethane	ND	ug/kg	6.0					
Vinyl chloride	ND	ug/kg	6.0					
Chloroethane	ND	ug/kg	6.0					
1,1-Dichloroethene	ND	ug/kg	3.0					
trans-1,2-Dichloroethene	ND	ug/kg	4.5					
Trichloroethene	ND	ug/kg	3.0					
1,2-Dichlorobenzene	ND	ug/kg	15.					
1,3-Dichlorobenzene	ND	ug/kg	15.					
1,4-Dichlorobenzene	ND	ug/kg	15.					
Methyl tert butyl ether	ND	ug/kg	6.0					
p/m-Xylene	ND	ug/kg	6.0					
o-Xylene	ND	ug/kg	6.0					
cis-1,2-Dichloroethene	ND	ug/kg	3.0					
Dibromomethane	ND	ug/kg	30.					
Styrene	ND	ug/kg	6.0					
Dichlorodifluoromethane	ND	ug/kg	30.					
Acetone	ND	ug/kg	30.					
Carbon disulfide	ND	ug/kg	30.					
2-Butanone	ND	ug/kg	30.					
Vinyl acetate	ND	ug/kg	30.					
4-Methyl-2-pentanone	ND	ug/kg	30.					
1,2,3-Trichloropropane	ND	ug/kg	30.					
2-Hexanone	ND	ug/kg	30.					
Bromochloromethane	ND	ug/kg	15.					
2,2-Dichloropropane	ND	ug/kg	15.					
1,2-Dibromoethane	ND	ug/kg	12.					
1,3-Dichloropropane	ND	ug/kg	15.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.0					
Bromobenzene	ND	ug/kg	15.					
n-Butylbenzene	ND	ug/kg	3.0					
sec-Butylbenzene	ND	ug/kg	3.0					
tert-Butylbenzene	ND	ug/kg	15.					
o-Chlorotoluene	ND	ug/kg	15.					
p-Chlorotoluene	ND	ug/kg	15.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	15.					
Hexachlorobutadiene	ND	ug/kg	15.					
Isopropylbenzene	ND	ug/kg	3.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-08
SB-8 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 16:06	PD
p-Isopropyltoluene	ND	ug/kg	3.0					
Naphthalene	ND	ug/kg	15.					
Acrylonitrile	ND	ug/kg	30.					
n-Propylbenzene	ND	ug/kg	3.0					
1,2,3-Trichlorobenzene	ND	ug/kg	15.					
1,2,4-Trichlorobenzene	ND	ug/kg	15.					
1,3,5-Trimethylbenzene	ND	ug/kg	15.					
1,2,4-Trimethylbenzene	ND	ug/kg	15.					
1,4-Diethylbenzene	ND	ug/kg	12.					
4-Ethyltoluene	ND	ug/kg	12.					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	12.					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	98.0	%	70-130					
Toluene-d8	106	%	70-130					
4-Bromofluorobenzene	107	%	70-130					
Dibromofluoromethane	94.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0130 02:01	0201 00:10	PS
Acenaphthene	ND	ug/kg	400					
1,2,4-Trichlorobenzene	ND	ug/kg	400					
Hexachlorobenzene	ND	ug/kg	400					
Bis(2-chloroethyl)ether	ND	ug/kg	400					
2-Chloronaphthalene	ND	ug/kg	480					
1,2-Dichlorobenzene	ND	ug/kg	400					
1,3-Dichlorobenzene	ND	ug/kg	400					
1,4-Dichlorobenzene	ND	ug/kg	400					
3,3'-Dichlorobenzidine	ND	ug/kg	790					
2,4-Dinitrotoluene	ND	ug/kg	400					
2,6-Dinitrotoluene	ND	ug/kg	400					
Fluoranthene	ND	ug/kg	400					
4-Chlorophenyl phenyl ether	ND	ug/kg	400					
4-Bromophenyl phenyl ether	ND	ug/kg	400					
Bis(2-chloroisopropyl)ether	ND	ug/kg	400					
Bis(2-chloroethoxy)methane	ND	ug/kg	400					
Hexachlorobutadiene	ND	ug/kg	790					
Hexachlorocyclopentadiene	ND	ug/kg	790					
Hexachloroethane	ND	ug/kg	400					
Isophorone	ND	ug/kg	400					
Naphthalene	ND	ug/kg	400					
Nitrobenzene	ND	ug/kg	400					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1200					
n-Nitrosodi-n-propylamine	ND	ug/kg	400					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	790					
Butyl benzyl phthalate	ND	ug/kg	400					
Di-n-butylphthalate	ND	ug/kg	400					
Di-n-octylphthalate	ND	ug/kg	400					
Diethyl phthalate	ND	ug/kg	400					
Dimethyl phthalate	ND	ug/kg	400					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-08
SB-8 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0201 00:10	PS
Benzo(a)anthracene	ND	ug/kg	400					
Benzo(a)pyrene	ND	ug/kg	400					
Benzo(b)fluoranthene	ND	ug/kg	400					
Benzo(k)fluoranthene	ND	ug/kg	400					
Chrysene	ND	ug/kg	400					
Acenaphthylene	ND	ug/kg	400					
Anthracene	ND	ug/kg	400					
Benzo(ghi)perylene	ND	ug/kg	400					
Fluorene	ND	ug/kg	400					
Phenanthrene	ND	ug/kg	400					
Dibenzo(a,h)anthracene	ND	ug/kg	400					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	400					
Pyrene	ND	ug/kg	400					
Biphenyl	ND	ug/kg	400					
4-Chloroaniline	ND	ug/kg	400					
2-Nitroaniline	ND	ug/kg	400					
3-Nitroaniline	ND	ug/kg	400					
4-Nitroaniline	ND	ug/kg	560					
Dibenzofuran	ND	ug/kg	400					
2-Methylnaphthalene	ND	ug/kg	400					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1600					
Acetophenone	ND	ug/kg	1600					
2,4,6-Trichlorophenol	ND	ug/kg	400					
P-Chloro-M-Cresol	ND	ug/kg	400					
2-Chlorophenol	ND	ug/kg	480					
2,4-Dichlorophenol	ND	ug/kg	790					
2,4-Dimethylphenol	ND	ug/kg	400					
2-Nitrophenol	ND	ug/kg	1600					
4-Nitrophenol	ND	ug/kg	790					
2,4-Dinitrophenol	ND	ug/kg	1600					
4,6-Dinitro-o-cresol	ND	ug/kg	1600					
Pentachlorophenol	ND	ug/kg	1600					
Phenol	ND	ug/kg	560					
2-Methylphenol	ND	ug/kg	480					
3-Methylphenol/4-Methylphenol	ND	ug/kg	480					
2,4,5-Trichlorophenol	ND	ug/kg	400					
Benzoic Acid	ND	ug/kg	4000					
Benzyl Alcohol	ND	ug/kg	790					
Carbazole	ND	ug/kg	400					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	67.0	%	25-120					
Phenol-d6	73.0	%	10-120					
Nitrobenzene-d5	68.0	%	23-120					
2-Fluorobiphenyl	64.0	%	30-120					
2,4,6-Tribromophenol	78.0	%	19-120					
4-Terphenyl-d14	86.0	%	18-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 02:01	0131 21:59	ND

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-08
SB-8 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0130 02:01	0131 21:59	ND
Acenaphthene	ND	ug/kg	16.					
2-Chloronaphthalene	ND	ug/kg	16.					
Fluoranthene	ND	ug/kg	16.					
Hexachlorobutadiene	ND	ug/kg	40.					
Naphthalene	ND	ug/kg	16.					
Benzo(a)anthracene	ND	ug/kg	16.					
Benzo(a)pyrene	ND	ug/kg	16.					
Benzo(b)fluoranthene	ND	ug/kg	16.					
Benzo(k)fluoranthene	ND	ug/kg	16.					
Chrysene	ND	ug/kg	16.					
Acenaphthylene	ND	ug/kg	16.					
Anthracene	ND	ug/kg	16.					
Benzo(ghi)perylene	ND	ug/kg	16.					
Fluorene	ND	ug/kg	16.					
Phenanthrene	ND	ug/kg	16.					
Dibenzo(a,h)anthracene	ND	ug/kg	16.					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	16.					
Pyrene	ND	ug/kg	16.					
2-Methylnaphthalene	ND	ug/kg	16.					
Pentachlorophenol	ND	ug/kg	63.					
Hexachlorobenzene	ND	ug/kg	63.					
Hexachloroethane	ND	ug/kg	63.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	57.0	%	25-120					
Phenol-d6	62.0	%	10-120					
Nitrobenzene-d5	64.0	%	23-120					
2-Fluorobiphenyl	51.0	%	30-120					
2,4,6-Tribromophenol	75.0	%	19-120					
4-Terphenyl-d14	64.0	%	18-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0130 02:18	0202 10:50	SH
Aroclor 1016	ND	ug/kg	39.7					
Aroclor 1221	ND	ug/kg	39.7					
Aroclor 1232	ND	ug/kg	39.7					
Aroclor 1242	ND	ug/kg	39.7					
Aroclor 1248	ND	ug/kg	39.7					
Aroclor 1254	ND	ug/kg	39.7					
Aroclor 1260	ND	ug/kg	39.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	82.0	%	30-150					
Decachlorobiphenyl	63.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 02:21	0203 21:38	JB
Delta-BHC	ND	ug/kg	3.97					
Lindane	ND	ug/kg	3.97					
Alpha-BHC	ND	ug/kg	3.97					
Beta-BHC	ND	ug/kg	3.97					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901109-08
SB-8 (8'-9')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0131 02:21	0203 21:38	JB
Heptachlor	ND	ug/kg	3.97					
Aldrin	ND	ug/kg	3.97					
Heptachlor epoxide	ND	ug/kg	3.97					
Endrin	ND	ug/kg	3.97					
Endrin ketone	ND	ug/kg	3.97					
Dieldrin	ND	ug/kg	3.97					
4,4'-DDE	ND	ug/kg	3.97					
4,4'-DDD	ND	ug/kg	3.97					
4,4'-DDT	ND	ug/kg	3.97					
Endosulfan I	ND	ug/kg	3.97					
Endosulfan II	ND	ug/kg	3.97					
Endosulfan sulfate	ND	ug/kg	3.97					
Methoxychlor	ND	ug/kg	15.9					
trans-Chlordane	ND	ug/kg	3.97					
Chlordane	ND	ug/kg	39.7					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	62.0	%	30-150					
Decachlorobiphenyl	104	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0901109

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 01-08 (L0901102-04, WG351570-1)					
Solids, Total	76	76	%	0	20
Total Metals for sample(s) 01-08 (L0901109-01, WG351345-3)					
Aluminum, Total	5800	6000	mg/kg	3	35
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	0.87	1.2	mg/kg	32	35
Barium, Total	23	25	mg/kg	8	35
Beryllium, Total	0.29	0.30	mg/kg	3	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Calcium, Total	850	870	mg/kg	2	35
Chromium, Total	9.3	9.8	mg/kg	5	35
Cobalt, Total	5.0	5.2	mg/kg	4	35
Copper, Total	10	11	mg/kg	10	35
Iron, Total	9900	10000	mg/kg	1	35
Lead, Total	3.4	3.8	mg/kg	11	35
Magnesium, Total	2500	2500	mg/kg	0	35
Manganese, Total	78	77	mg/kg	1	35
Nickel, Total	34	32	mg/kg	6	35
Potassium, Total	810	830	mg/kg	2	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Sodium, Total	ND	ND	mg/kg	NC	35
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	12	12	mg/kg	0	35
Zinc, Total	29	30	mg/kg	3	35
Total Metals for sample(s) 01-08 (L0901109-02, WG351799-3)					
Mercury, Total	ND	ND	mg/kg	NC	35

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0901109

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 01-08 (WG351345-2)		
Aluminum, Total	100	75-125
Antimony, Total	104	75-125
Arsenic, Total	100	75-125
Barium, Total	96	75-125
Beryllium, Total	104	75-125
Cadmium, Total	106	75-125
Calcium, Total	93	75-125
Chromium, Total	103	75-125
Cobalt, Total	100	75-125
Copper, Total	100	75-125
Iron, Total	102	75-125
Lead, Total	102	75-125
Magnesium, Total	95	75-125
Manganese, Total	100	75-125
Nickel, Total	100	75-125
Potassium, Total	95	75-125
Selenium, Total	99	75-125
Silver, Total	104	75-125
Sodium, Total	98	75-125
Thallium, Total	97	75-125
Vanadium, Total	104	75-125
Zinc, Total	100	75-125
Total Metals LCS for sample(s) 01-08 (WG351799-2)		
Mercury, Total	103	80-120
Total Metals SPIKE for sample(s) 01-08 (L0901109-01, WG351345-4)		
Aluminum, Total	168	75-125
Antimony, Total	54	75-125
Arsenic, Total	105	75-125
Barium, Total	98	75-125
Beryllium, Total	111	75-125
Cadmium, Total	95	75-125
Calcium, Total	92	75-125
Chromium, Total	98	75-125
Cobalt, Total	97	75-125
Copper, Total	101	75-125
Iron, Total	0	75-125
Lead, Total	94	75-125
Magnesium, Total	84	75-125
Manganese, Total	74	75-125
Nickel, Total	84	75-125
Potassium, Total	99	75-125
Selenium, Total	116	75-125
Silver, Total	101	75-125
Sodium, Total	102	75-125
Thallium, Total	99	75-125
Vanadium, Total	97	75-125

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0901109

Continued

Parameter	% Recovery	QC Criteria
Total Metals SPIKE for sample(s) 01-08 (L0901109-01, WG351345-4)		
Zinc, Total	94	75-125
Total Metals SPIKE for sample(s) 01-08 (L0901109-02, WG351799-4)		
Mercury, Total	106	70-130

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0901109

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by EPA 8260B for sample(s) 01-05,07-08 (WG351446-1, WG351446-2)					
Chlorobenzene	112	96	15	30	60-133
Benzene	101	86	16	30	66-142
Toluene	110	95	15	30	59-139
1,1-Dichloroethene	99	85	15	30	59-172
Trichloroethene	98	82	18	30	62-137
Surrogate(s)					
1,2-Dichloroethane-d4	114	86	28		70-130
Toluene-d8	119	92	26		70-130
4-Bromofluorobenzene	121	93	26		70-130
Dibromofluoromethane	119	89	29		70-130
Volatile Organics by EPA 8260B for sample(s) 06 (WG351446-4, WG351446-5)					
Chlorobenzene	90	92	2	30	60-133
Benzene	83	86	4	30	66-142
Toluene	90	91	1	30	59-139
1,1-Dichloroethene	82	83	1	30	59-172
Trichloroethene	79	80	1	30	62-137
Surrogate(s)					
1,2-Dichloroethane-d4	92	93	1		70-130
Toluene-d8	95	98	3		70-130
4-Bromofluorobenzene	99	99	0		70-130
Dibromofluoromethane	94	98	4		70-130
Semivolatile Organics by EPA 8270C for sample(s) 01-08 (WG351429-2, WG351429-3)					
Acenaphthene	70	79	12	50	31-137
1,2,4-Trichlorobenzene	60	71	17	50	38-107
2-Chloronaphthalene	71	79	11	50	40-140
1,2-Dichlorobenzene	64	71	10	50	40-140
1,4-Dichlorobenzene	60	69	14	50	28-104
2,4-Dinitrotoluene	97	92	5	50	28-89
2,6-Dinitrotoluene	86	82	5	50	40-140
Fluoranthene	105	96	9	50	40-140
4-Chlorophenyl phenyl ether	78	84	7	50	40-140
n-Nitrosodi-n-propylamine	60	67	11	50	41-126
Butyl benzyl phthalate	99	87	13	50	40-140
Anthracene	91	90	1	50	40-140
Pyrene	99	90	10	50	35-142
P-Chloro-M-Cresol	85	86	1	50	26-103
2-Chlorophenol	68	74	8	50	25-102
2-Nitrophenol	68	72	6	50	30-130
4-Nitrophenol	103	91	12	50	11-114
2,4-Dinitrophenol	59	45	27	50	30-130
Pentachlorophenol	81	76	6	50	17-109
Phenol	74	78	5	50	26-90

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0901109

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Semivolatile Organics by EPA 8270C for sample(s) 01-08 (WG351429-2, WG351429-3)					
Surrogate(s)					
2-Fluorophenol	72	78	8		25-120
Phenol-d6	73	78	7		10-120
Nitrobenzene-d5	68	72	6		23-120
2-Fluorobiphenyl	73	80	9		30-120
2,4,6-Tribromophenol	98	102	4		19-120
4-Terphenyl-d14	97	89	9		18-120
Semivolatile Organics by EPA 8270C-SIM for sample(s) 05,07 (WG351807-2, WG351807-3)					
Acenaphthene	73	62	16	50	31-137
2-Chloronaphthalene	72	68	6	50	40-140
Fluoranthene	82	66	22	50	40-140
Anthracene	68	61	11	50	40-140
Pyrene	82	66	22	50	35-142
Pentachlorophenol	86	82	5	50	17-109
Surrogate(s)					
2-Fluorophenol	75	62	19		25-120
Phenol-d6	89	74	18		10-120
Nitrobenzene-d5	85	75	13		23-120
2-Fluorobiphenyl	71	60	17		30-120
2,4,6-Tribromophenol	87	68	25		19-120
4-Terphenyl-d14	80	59	30		18-120
Semivolatile Organics by EPA 8270C-SIM for sample(s) 01-04,06,08 (WG351430-2, WG351430-3)					
Acenaphthene	60	57	5	50	31-137
2-Chloronaphthalene	65	54	18	50	40-140
Fluoranthene	71	71	0	50	40-140
Anthracene	69	64	8	50	40-140
Pyrene	69	70	1	50	35-142
Pentachlorophenol	46	50	8	50	17-109
Surrogate(s)					
2-Fluorophenol	55	54	2		25-120
Phenol-d6	66	62	6		10-120
Nitrobenzene-d5	65	57	13		23-120
2-Fluorobiphenyl	54	50	8		30-120
2,4,6-Tribromophenol	64	65	2		19-120
4-Terphenyl-d14	56	61	9		18-120
Polychlorinated Biphenyls by EPA 8082 for sample(s) 01-08 (WG351606-2, WG351606-3)					
Aroclor 1016	59	66	11	30	40-140
Aroclor 1260	59	72	20	30	40-140

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0901109

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Polychlorinated Biphenyls by EPA 8082 for sample(s) 01-08 (WG351606-2, WG351606-3)					
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	50	57	13		30-150
Decachlorobiphenyl	64	84	27		30-150
Organochlorine Pesticides by EPA 8081A for sample(s) 01-08 (WG351552-2, WG351552-3)					
Delta-BHC	76	84	10	30	30-150
Lindane	82	90	9	30	30-150
Alpha-BHC	74	81	9	30	30-150
Beta-BHC	75	80	6	30	30-150
Heptachlor	83	89	7	30	30-150
Aldrin	70	74	6	30	30-150
Heptachlor epoxide	85	95	11	30	30-150
Endrin	78	86	10	30	30-150
Endrin ketone	92	100	8	30	30-150
Dieldrin	88	97	10	30	30-150
4,4'-DDE	80	88	10	30	30-150
4,4'-DDD	90	98	9	30	30-150
4,4'-DDT	97	107	10	30	30-150
Endosulfan I	82	91	10	30	30-150
Endosulfan II	83	92	10	30	30-150
Endosulfan sulfate	81	88	8	30	30-150
Methoxychlor	91	102	11	30	30-150
trans-Chlordane	85	93	9	30	30-150
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	54	68	23		30-150
Decachlorobiphenyl	72	92	24		30-150

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0901109

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-08 (WG351345-1)								
Total Metals								
Aluminum, Total	ND	mg/kg	5.0	1	6010B	0129 13:00	0202 08:55	MG
Antimony, Total	ND	mg/kg	2.5	1	6010B	0129 13:00	0202 08:55	MG
Arsenic, Total	ND	mg/kg	0.50	1	6010B	0129 13:00	0202 08:55	MG
Barium, Total	ND	mg/kg	0.50	1	6010B	0129 13:00	0202 08:55	MG
Beryllium, Total	ND	mg/kg	0.25	1	6010B	0129 13:00	0202 08:55	MG
Cadmium, Total	ND	mg/kg	0.50	1	6010B	0129 13:00	0202 08:55	MG
Calcium, Total	ND	mg/kg	5.0	1	6010B	0129 13:00	0202 08:55	MG
Chromium, Total	ND	mg/kg	0.50	1	6010B	0129 13:00	0202 08:55	MG
Cobalt, Total	ND	mg/kg	1.0	1	6010B	0129 13:00	0202 08:55	MG
Copper, Total	ND	mg/kg	0.50	1	6010B	0129 13:00	0202 08:55	MG
Iron, Total	ND	mg/kg	2.5	1	6010B	0129 13:00	0202 08:55	MG
Lead, Total	ND	mg/kg	2.5	1	6010B	0129 13:00	0202 08:55	MG
Magnesium, Total	ND	mg/kg	5.0	1	6010B	0129 13:00	0202 08:55	MG
Manganese, Total	ND	mg/kg	0.50	1	6010B	0129 13:00	0202 08:55	MG
Nickel, Total	ND	mg/kg	1.2	1	6010B	0129 13:00	0202 08:55	MG
Potassium, Total	ND	mg/kg	120	1	6010B	0129 13:00	0202 08:55	MG
Selenium, Total	ND	mg/kg	2.5	1	6010B	0129 13:00	0202 08:55	MG
Silver, Total	ND	mg/kg	0.50	1	6010B	0129 13:00	0202 08:55	MG
Sodium, Total	ND	mg/kg	100	1	6010B	0129 13:00	0202 08:55	MG
Thallium, Total	ND	mg/kg	2.5	1	6010B	0129 13:00	0202 08:55	MG
Vanadium, Total	ND	mg/kg	0.50	1	6010B	0129 13:00	0202 08:55	MG
Zinc, Total	ND	mg/kg	2.5	1	6010B	0129 13:00	0202 08:55	MG
Blank Analysis for sample(s) 01-08 (WG351799-1)								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	0203 20:30	0204 10:52	EZ
Blank Analysis for sample(s) 01-05,07-08 (WG351446-3)								
Volatile Organics by EPA 8260B				1	8260B		0129 09:14	PD
Methylene chloride	ND	ug/kg	25.					
1,1-Dichloroethane	ND	ug/kg	3.8					
Chloroform	ND	ug/kg	3.8					
Carbon tetrachloride	ND	ug/kg	2.5					
1,2-Dichloropropane	ND	ug/kg	8.8					
Dibromochloromethane	ND	ug/kg	2.5					
1,1,2-Trichloroethane	ND	ug/kg	3.8					
Tetrachloroethene	ND	ug/kg	2.5					
Chlorobenzene	ND	ug/kg	2.5					
Trichlorofluoromethane	ND	ug/kg	12.					
1,2-Dichloroethane	ND	ug/kg	2.5					
1,1,1-Trichloroethane	ND	ug/kg	2.5					
Bromodichloromethane	ND	ug/kg	2.5					
trans-1,3-Dichloropropene	ND	ug/kg	2.5					
cis-1,3-Dichloropropene	ND	ug/kg	2.5					

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Blank Analysis for sample(s) 01-05,07-08 (WG351446-3)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0129 09:14	PD
1,1-Dichloropropene	ND	ug/kg	12.				
Bromoform	ND	ug/kg	10.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.5				
Benzene	ND	ug/kg	2.5				
Toluene	ND	ug/kg	3.8				
Ethylbenzene	ND	ug/kg	2.5				
Chloromethane	ND	ug/kg	12.				
Bromomethane	ND	ug/kg	5.0				
Vinyl chloride	ND	ug/kg	5.0				
Chloroethane	ND	ug/kg	5.0				
1,1-Dichloroethene	ND	ug/kg	2.5				
trans-1,2-Dichloroethene	ND	ug/kg	3.8				
Trichloroethene	ND	ug/kg	2.5				
1,2-Dichlorobenzene	ND	ug/kg	12.				
1,3-Dichlorobenzene	ND	ug/kg	12.				
1,4-Dichlorobenzene	ND	ug/kg	12.				
Methyl tert butyl ether	ND	ug/kg	5.0				
p/m-Xylene	ND	ug/kg	5.0				
o-Xylene	ND	ug/kg	5.0				
cis-1,2-Dichloroethene	ND	ug/kg	2.5				
Dibromomethane	ND	ug/kg	25.				
Styrene	ND	ug/kg	5.0				
Dichlorodifluoromethane	ND	ug/kg	25.				
Acetone	ND	ug/kg	25.				
Carbon disulfide	ND	ug/kg	25.				
2-Butanone	ND	ug/kg	25.				
Vinyl acetate	ND	ug/kg	25.				
4-Methyl-2-pentanone	ND	ug/kg	25.				
1,2,3-Trichloropropane	ND	ug/kg	25.				
2-Hexanone	ND	ug/kg	25.				
Bromochloromethane	ND	ug/kg	12.				
2,2-Dichloropropane	ND	ug/kg	12.				
1,2-Dibromoethane	ND	ug/kg	10.				
1,3-Dichloropropane	ND	ug/kg	12.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.5				
Bromobenzene	ND	ug/kg	12.				
n-Butylbenzene	ND	ug/kg	2.5				
sec-Butylbenzene	ND	ug/kg	2.5				
tert-Butylbenzene	ND	ug/kg	12.				
o-Chlorotoluene	ND	ug/kg	12.				
p-Chlorotoluene	ND	ug/kg	12.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	12.				
Hexachlorobutadiene	ND	ug/kg	12.				
Isopropylbenzene	ND	ug/kg	2.5				
p-Isopropyltoluene	ND	ug/kg	2.5				
Naphthalene	ND	ug/kg	12.				

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Blank Analysis for sample(s) 01-05,07-08 (WG351446-3)								
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 09:14	PD
Acrylonitrile	ND	ug/kg	25.					
n-Propylbenzene	ND	ug/kg	2.5					
1,2,3-Trichlorobenzene	ND	ug/kg	12.					
1,2,4-Trichlorobenzene	ND	ug/kg	12.					
1,3,5-Trimethylbenzene	ND	ug/kg	12.					
1,2,4-Trimethylbenzene	ND	ug/kg	12.					
1,4-Diethylbenzene	ND	ug/kg	10.					
4-Ethyltoluene	ND	ug/kg	10.					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	10.					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	102	%	70-130					
Toluene-d8	104	%	70-130					
4-Bromofluorobenzene	108	%	70-130					
Dibromofluoromethane	99.0	%	70-130					
Blank Analysis for sample(s) 01-05,07-08 (WG351446-3)								
Volatile Organics by EPA 8260B				1	8260B		0129 09:14	PD
Tentatively Identified Compounds								
No Tentatively Identified Compounds	ND	ug/kg						
Blank Analysis for sample(s) 06 (WG351446-6)								
Volatile Organics by EPA 8260B				1	8260B		0130 08:31	PD
Methylene chloride	ND	ug/kg	25.					
1,1-Dichloroethane	ND	ug/kg	3.8					
Chloroform	ND	ug/kg	3.8					
Carbon tetrachloride	ND	ug/kg	2.5					
1,2-Dichloropropane	ND	ug/kg	8.8					
Dibromochloromethane	ND	ug/kg	2.5					
1,1,2-Trichloroethane	ND	ug/kg	3.8					
Tetrachloroethene	ND	ug/kg	2.5					
Chlorobenzene	ND	ug/kg	2.5					
Trichlorofluoromethane	ND	ug/kg	12.					
1,2-Dichloroethane	ND	ug/kg	2.5					
1,1,1-Trichloroethane	ND	ug/kg	2.5					
Bromodichloromethane	ND	ug/kg	2.5					
trans-1,3-Dichloropropene	ND	ug/kg	2.5					
cis-1,3-Dichloropropene	ND	ug/kg	2.5					
1,1-Dichloropropene	ND	ug/kg	12.					
Bromoform	ND	ug/kg	10.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.5					
Benzene	ND	ug/kg	2.5					
Toluene	ND	ug/kg	3.8					
Ethylbenzene	ND	ug/kg	2.5					
Chloromethane	ND	ug/kg	12.					

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Blank Analysis for sample(s) 06 (WG351446-6)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0130 08:31	PD
Bromomethane	ND	ug/kg	5.0				
Vinyl chloride	ND	ug/kg	5.0				
Chloroethane	ND	ug/kg	5.0				
1,1-Dichloroethene	ND	ug/kg	2.5				
trans-1,2-Dichloroethene	ND	ug/kg	3.8				
Trichloroethene	ND	ug/kg	2.5				
1,2-Dichlorobenzene	ND	ug/kg	12.				
1,3-Dichlorobenzene	ND	ug/kg	12.				
1,4-Dichlorobenzene	ND	ug/kg	12.				
Methyl tert butyl ether	ND	ug/kg	5.0				
p/m-Xylene	ND	ug/kg	5.0				
o-Xylene	ND	ug/kg	5.0				
cis-1,2-Dichloroethene	ND	ug/kg	2.5				
Dibromomethane	ND	ug/kg	25.				
Styrene	ND	ug/kg	5.0				
Dichlorodifluoromethane	ND	ug/kg	25.				
Acetone	ND	ug/kg	25.				
Carbon disulfide	ND	ug/kg	25.				
2-Butanone	ND	ug/kg	25.				
Vinyl acetate	ND	ug/kg	25.				
4-Methyl-2-pentanone	ND	ug/kg	25.				
1,2,3-Trichloropropane	ND	ug/kg	25.				
2-Hexanone	ND	ug/kg	25.				
Bromochloromethane	ND	ug/kg	12.				
2,2-Dichloropropane	ND	ug/kg	12.				
1,2-Dibromoethane	ND	ug/kg	10.				
1,3-Dichloropropane	ND	ug/kg	12.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.5				
Bromobenzene	ND	ug/kg	12.				
n-Butylbenzene	ND	ug/kg	2.5				
sec-Butylbenzene	ND	ug/kg	2.5				
tert-Butylbenzene	ND	ug/kg	12.				
o-Chlorotoluene	ND	ug/kg	12.				
p-Chlorotoluene	ND	ug/kg	12.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	12.				
Hexachlorobutadiene	ND	ug/kg	12.				
Isopropylbenzene	ND	ug/kg	2.5				
p-Isopropyltoluene	ND	ug/kg	2.5				
Naphthalene	ND	ug/kg	12.				
Acrylonitrile	ND	ug/kg	25.				
n-Propylbenzene	ND	ug/kg	2.5				
1,2,3-Trichlorobenzene	ND	ug/kg	12.				
1,2,4-Trichlorobenzene	ND	ug/kg	12.				
1,3,5-Trimethylbenzene	ND	ug/kg	12.				
1,2,4-Trimethylbenzene	ND	ug/kg	12.				
1,4-Diethylbenzene	ND	ug/kg	10.				

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Blank Analysis for sample(s) 06 (WG351446-6)								
Volatile Organics by EPA 8260B cont'd				1	8260B		0130 08:31	PD
4-Ethyltoluene	ND	ug/kg	10.					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	10.					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	87.0	%	70-130					
Toluene-d8	93.0	%	70-130					
4-Bromofluorobenzene	93.0	%	70-130					
Dibromofluoromethane	85.0	%	70-130					
Blank Analysis for sample(s) 06 (WG351446-6)								
Volatile Organics by EPA 8260B				1	8260B		0130 08:31	PD
Tentatively Identified Compounds								
No Tentatively Identified Compounds	ND	ug/kg						
Blank Analysis for sample(s) 01-08 (WG351429-1)								
Semivolatile Organics by EPA 8270C				1	8270C	0130 02:01	0131 20:20	PS
Acenaphthene	ND	ug/kg	330					
1,2,4-Trichlorobenzene	ND	ug/kg	330					
Hexachlorobenzene	ND	ug/kg	330					
Bis(2-chloroethyl)ether	ND	ug/kg	330					
2-Chloronaphthalene	ND	ug/kg	400					
1,2-Dichlorobenzene	ND	ug/kg	330					
1,3-Dichlorobenzene	ND	ug/kg	330					
1,4-Dichlorobenzene	ND	ug/kg	330					
3,3'-Dichlorobenzidine	ND	ug/kg	670					
2,4-Dinitrotoluene	ND	ug/kg	330					
2,6-Dinitrotoluene	ND	ug/kg	330					
Fluoranthene	ND	ug/kg	330					
4-Chlorophenyl phenyl ether	ND	ug/kg	330					
4-Bromophenyl phenyl ether	ND	ug/kg	330					
Bis(2-chloroisopropyl)ether	ND	ug/kg	330					
Bis(2-chloroethoxy)methane	ND	ug/kg	330					
Hexachlorobutadiene	ND	ug/kg	670					
Hexachlorocyclopentadiene	ND	ug/kg	670					
Hexachloroethane	ND	ug/kg	330					
Isophorone	ND	ug/kg	330					
Naphthalene	ND	ug/kg	330					
Nitrobenzene	ND	ug/kg	330					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1000					
n-Nitrosodi-n-propylamine	ND	ug/kg	330					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	670					
Butyl benzyl phthalate	ND	ug/kg	330					
Di-n-butylphthalate	ND	ug/kg	330					
Di-n-octylphthalate	ND	ug/kg	330					
Diethyl phthalate	ND	ug/kg	330					

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Blank Analysis for sample(s) 01-08 (WG351429-1)								
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0131 20:20	PS
Dimethyl phthalate	ND	ug/kg	330					
Benzo(a)anthracene	ND	ug/kg	330					
Benzo(a)pyrene	ND	ug/kg	330					
Benzo(b)fluoranthene	ND	ug/kg	330					
Benzo(k)fluoranthene	ND	ug/kg	330					
Chrysene	ND	ug/kg	330					
Acenaphthylene	ND	ug/kg	330					
Anthracene	ND	ug/kg	330					
Benzo(ghi)perylene	ND	ug/kg	330					
Fluorene	ND	ug/kg	330					
Phenanthrene	ND	ug/kg	330					
Dibenzo(a,h)anthracene	ND	ug/kg	330					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	330					
Pyrene	ND	ug/kg	330					
Biphenyl	ND	ug/kg	330					
4-Chloroaniline	ND	ug/kg	330					
2-Nitroaniline	ND	ug/kg	330					
3-Nitroaniline	ND	ug/kg	330					
4-Nitroaniline	ND	ug/kg	470					
Dibenzofuran	ND	ug/kg	330					
2-Methylnaphthalene	ND	ug/kg	330					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1300					
Acetophenone	ND	ug/kg	1300					
2,4,6-Trichlorophenol	ND	ug/kg	330					
P-Chloro-M-Cresol	ND	ug/kg	330					
2-Chlorophenol	ND	ug/kg	400					
2,4-Dichlorophenol	ND	ug/kg	670					
2,4-Dimethylphenol	ND	ug/kg	330					
2-Nitrophenol	ND	ug/kg	1300					
4-Nitrophenol	ND	ug/kg	670					
2,4-Dinitrophenol	ND	ug/kg	1300					
4,6-Dinitro-o-cresol	ND	ug/kg	1300					
Pentachlorophenol	ND	ug/kg	1300					
Phenol	ND	ug/kg	470					
2-Methylphenol	ND	ug/kg	400					
3-Methylphenol/4-Methylphenol	ND	ug/kg	400					
2,4,5-Trichlorophenol	ND	ug/kg	330					
Benzoic Acid	ND	ug/kg	3300					
Benzyl Alcohol	ND	ug/kg	670					
Carbazole	ND	ug/kg	330					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	63.0	%	25-120					
Phenol-d6	65.0	%	10-120					
Nitrobenzene-d5	61.0	%	23-120					
2-Fluorobiphenyl	58.0	%	30-120					

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Blank Analysis for sample(s) 01-08 (WG351429-1)								
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 02:01	0131 20:20	PS
2,4,6-Tribromophenol	69.0	%	19-120					
4-Terphenyl-d14	82.0	%	18-120					
Blank Analysis for sample(s) 01-08 (WG351429-1)								
Semivolatile Organics by EPA 8270C				1	8270C	0130 02:01	0131 20:20	PS
Tentatively Identified Compounds								
No Tentatively Identified Compounds	ND							
Blank Analysis for sample(s) 01-04,06,08 (WG351430-1)								
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 02:01	0131 17:08	ND
Acenaphthene	ND	ug/kg	13.					
2-Chloronaphthalene	ND	ug/kg	13.					
Fluoranthene	ND	ug/kg	13.					
Hexachlorobutadiene	ND	ug/kg	33.					
Naphthalene	ND	ug/kg	13.					
Benzo(a)anthracene	ND	ug/kg	13.					
Benzo(a)pyrene	ND	ug/kg	13.					
Benzo(b)fluoranthene	ND	ug/kg	13.					
Benzo(k)fluoranthene	ND	ug/kg	13.					
Chrysene	ND	ug/kg	13.					
Acenaphthylene	ND	ug/kg	13.					
Anthracene	ND	ug/kg	13.					
Benzo(ghi)perylene	ND	ug/kg	13.					
Fluorene	ND	ug/kg	13.					
Phenanthrene	ND	ug/kg	13.					
Dibenzo(a,h)anthracene	ND	ug/kg	13.					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	13.					
Pyrene	ND	ug/kg	13.					
2-Methylnaphthalene	ND	ug/kg	13.					
Pentachlorophenol	ND	ug/kg	53.					
Hexachlorobenzene	ND	ug/kg	53.					
Hexachloroethane	ND	ug/kg	53.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	51.0	%	25-120					
Phenol-d6	58.0	%	10-120					
Nitrobenzene-d5	56.0	%	23-120					
2-Fluorobiphenyl	45.0	%	30-120					
2,4,6-Tribromophenol	63.0	%	19-120					
4-Terphenyl-d14	64.0	%	18-120					
Blank Analysis for sample(s) 05,07 (WG351807-1)								
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0203 22:45	0204 10:38	AK
Acenaphthene	ND	ug/kg	13.					
2-Chloronaphthalene	ND	ug/kg	13.					

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Blank Analysis for sample(s) 05,07 (WG351807-1)								
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0203 22:45	0204 10:38	AK
Fluoranthene	ND	ug/kg	13.					
Hexachlorobutadiene	ND	ug/kg	33.					
Naphthalene	ND	ug/kg	13.					
Benzo(a)anthracene	ND	ug/kg	13.					
Benzo(a)pyrene	ND	ug/kg	13.					
Benzo(b)fluoranthene	ND	ug/kg	13.					
Benzo(k)fluoranthene	ND	ug/kg	13.					
Chrysene	ND	ug/kg	13.					
Acenaphthylene	ND	ug/kg	13.					
Anthracene	ND	ug/kg	13.					
Benzo(ghi)perylene	ND	ug/kg	13.					
Fluorene	ND	ug/kg	13.					
Phenanthrene	ND	ug/kg	13.					
Dibenzo(a,h)anthracene	ND	ug/kg	13.					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	13.					
Pyrene	ND	ug/kg	13.					
2-Methylnaphthalene	ND	ug/kg	13.					
Pentachlorophenol	ND	ug/kg	53.					
Hexachlorobenzene	ND	ug/kg	53.					
Hexachloroethane	ND	ug/kg	53.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	62.0	%	25-120					
Phenol-d6	70.0	%	10-120					
Nitrobenzene-d5	70.0	%	23-120					
2-Fluorobiphenyl	61.0	%	30-120					
2,4,6-Tribromophenol	72.0	%	19-120					
4-Terphenyl-d14	55.0	%	18-120					
Blank Analysis for sample(s) 01-08 (WG351606-1)								
Polychlorinated Biphenyls by EPA 8082				1	8082	0130 02:18	0130 16:47	SH
Aroclor 1016	ND	ug/kg	33.3					
Aroclor 1221	ND	ug/kg	33.3					
Aroclor 1232	ND	ug/kg	33.3					
Aroclor 1242	ND	ug/kg	33.3					
Aroclor 1248	ND	ug/kg	33.3					
Aroclor 1254	ND	ug/kg	33.3					
Aroclor 1260	ND	ug/kg	33.3					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	51.0	%	30-150					
Decachlorobiphenyl	70.0	%	30-150					
Blank Analysis for sample(s) 01-08 (WG351552-1)								
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 02:21	0203 16:54	JB
Delta-BHC	ND	ug/kg	3.33					

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Blank Analysis for sample(s) 01-08 (WG351552-1)								
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0131 02:21	0203 16:54	JB
Lindane	ND	ug/kg	3.33					
Alpha-BHC	ND	ug/kg	3.33					
Beta-BHC	ND	ug/kg	3.33					
Heptachlor	ND	ug/kg	3.33					
Aldrin	ND	ug/kg	3.33					
Heptachlor epoxide	ND	ug/kg	3.33					
Endrin	ND	ug/kg	3.33					
Endrin ketone	ND	ug/kg	3.33					
Dieldrin	ND	ug/kg	3.33					
4,4'-DDE	ND	ug/kg	3.33					
4,4'-DDD	ND	ug/kg	3.33					
4,4'-DDT	ND	ug/kg	3.33					
Endosulfan I	ND	ug/kg	3.33					
Endosulfan II	ND	ug/kg	3.33					
Endosulfan sulfate	ND	ug/kg	3.33					
Methoxychlor	ND	ug/kg	13.3					
trans-Chlordane	ND	ug/kg	3.33					
Chlordane	ND	ug/kg	33.3					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	57.0	%	30-150					
Decachlorobiphenyl	77.0	%	30-150					

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.
H	The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 31, 2008

The following list includes only those analytes/methods for which certification/approval is held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.
Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: MA0086.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 3540C, 3545, 3550B, 3580A, 5035L, 5035H.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, SM2540B, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. Registered Laboratory.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 1/28/09

ALPHA Job #: L0901109

ALPHA ANALYTICAL

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: AKRF, Inc
Address: 440 Park Ave S 7th Floor
Phone: 646-388-1529
~~Fax:~~ or (917) 613-6022
Email: aschwendt@akrf.com/

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 2477 3rd Ave
Project Location: Bronx
Project #: 11160
Project Manager: Axel Schwendt
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 2/4/09 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ FADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: TAGM
Criteria:

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 VOCs	8270, Pest/PCBs	TAL Metals	Sample Specific Comments
01109.1	SB-1 (8-9')	1/27/09	0850	Soil	NG	X	X	X	
2	SB-2 (6'-7')	1/27/09	1100		NG	X	X	X	
3	SB-6 (9'-10')		1150		SG	X	X	X	
4	SB-3 (6'-7')		1240		SG	X	X	X	
5	SB-4 (7'-8')		1310		SG	X	X	X	
6	SB-5 (9'-10')		1400		SG	X	X	X	
7	SB-7 (6'-7')		1425		SG	X	X	X	
8	SB-8 (8'-9')		1530		SG	X	X	X	

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	1/28/09 1600	[illegible]	1/28/09 1600
Kevin Hoogwerf	1/28/09 1800	[illegible]	1/28/09 [illegible]
[illegible]	1/28/09 2050	[illegible]	1/28/09 2030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1102299
Client:	AKRF, Inc. 440 Park Avenue South New York, NY 10016
ATTN:	Axel Schwendt
Phone:	(646) 388-9529
Project Name:	2477 THIRD AVE, BRONX, NY
Project Number:	11160
Report Date:	02/25/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1102299-01	SB-9(0-2)	2477 THIRD AVE, BRONX, NY	02/17/11 09:20
L1102299-02	SB-10(0-2)	2477 THIRD AVE, BRONX, NY	02/17/11 09:30
L1102299-03	SB-11(0-2)	2477 THIRD AVE, BRONX, NY	02/17/11 10:10
L1102299-04	SB-12(0-2)	2477 THIRD AVE, BRONX, NY	02/17/11 10:35
L1102299-05	SB-13(0-2)	2477 THIRD AVE, BRONX, NY	02/17/11 11:25
L1102299-06	SB-14(0-2)	2477 THIRD AVE, BRONX, NY	02/17/11 11:35
L1102299-07	SB-15(0-2)	2477 THIRD AVE, BRONX, NY	02/17/11 12:00

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299
Project Number: 11160 **Report Date:** 02/25/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Semivolatile Organics

L1102299-01, -02, -03, -05 and -06 have elevated detection limits due to the dilutions required by the sample matrix. The extracts were black and viscous.

The WG456295-2/-3 LCS/LCSD recoveries, associated with L1102299-04, were above the acceptance criteria for 2,4-Dinitrotoluene (101%/92%); however, the associated sample was non-detect for this target compound. The results of the original analysis are reported.

Semivolatile Organics-SIM

L1102299-01 through -06 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1102299-03 was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the

Case Narrative (continued)

calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.
The surrogate recoveries for L1102299-02, -03, -05 and -06 are below the acceptance criteria for 2-Fluorophenol, Phenol-d6, Nitrobenzene-d5, 2-Fluorobiphenyl and 4-Terphenyl-d14 (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction is not required; therefore, the results of the original analyses are reported.
The WG455914-2 LCS recovery, associated with L1102299-01, -02, -03, -05 and -07, was above the acceptance criteria for 2-Chloronaphthalene (142%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.
The WG456296-2/-3 LCS/LCSD recoveries, associated with L1102299-04, were above the acceptance criteria for 2-Chloronaphthalene (192%/186%); however, the associated sample was non-detect for this target compound. The results of the original analysis are reported.
The surrogate recovery for the WG456296-3 LCSD, associated with L1102299-04, is above the acceptance criteria for 4-Terphenyl-d14 (121%).

Pesticides
L1102299-01 through -06 have elevated detection limits due to the dilutions required by the sample matrix.

Metals
L1102299-01 and -03 through -07 have elevated detection limits for all analytes with the exception of Mercury due to the dilutions required by the sample matrix.
L1102299-02 has elevated detection limit for Calcium and Manganese due to the dilution required to quantitate the results within the calibration range.
L1102299-04 has an elevated detection limit for Calcium due to the dilution required to quantitate the result within the calibration range.
The WG455771-1 Method Blank, associated with L1102299-01 through -07, has a concentration above the reporting limit for Calcium and Iron. Since the associated sample concentrations are greater than 10x the Method Blank concentration for these analytes, no qualification of the results was performed.

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299
Project Number: 11160 **Report Date:** 02/25/11

Case Narrative (continued)

The WG455771-4 MS recoveries, performed on L1102299-02, are outside the acceptance criteria for Antimony (18%), Arsenic (67%), Barium (158%), Nickel (55%) and Sodium (232%). A post digestion spike was performed with acceptable recoveries of Antimony (102%), Arsenic (85%), Barium (85%), Nickel (81%) and Sodium (106%).

The WG455771-4 MS recovery, performed on L1102299-02, is above the acceptance criteria for Potassium (189%). A post digestion spike was performed with an unacceptable recovery of 128%. This has been attributed to sample matrix.

The WG455771-4 MS recoveries for Aluminum (4630%), Calcium (1680%), Copper (0%), Iron (0%), Lead (0%), Magnesium (631%) and Manganese (5470%), performed on L1102299-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG455771-3 Laboratory Duplicate RPDs, performed on L1102299-02, are outside the acceptance criteria for Aluminum (37%), Iron (60%), Manganese (67%) and Sodium (40%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the Laboratory Duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 02/25/11

ORGANICS

VOLATILES

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-01	Date Collected:	02/17/11 09:20
Client ID:	SB-9(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	02/19/11 11:58		
Analyst:	CF		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	--	1
1,1-Dichloroethane	ND		ug/kg	4.4	--	1
Chloroform	ND		ug/kg	4.4	--	1
Carbon tetrachloride	ND		ug/kg	2.9	--	1
1,2-Dichloropropane	ND		ug/kg	10	--	1
Dibromochloromethane	ND		ug/kg	2.9	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	--	1
Tetrachloroethene	ND		ug/kg	2.9	--	1
Chlorobenzene	ND		ug/kg	2.9	--	1
Trichlorofluoromethane	ND		ug/kg	15	--	1
1,2-Dichloroethane	ND		ug/kg	2.9	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	--	1
Bromodichloromethane	ND		ug/kg	2.9	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	--	1
1,1-Dichloropropene	ND		ug/kg	15	--	1
Bromoform	ND		ug/kg	12	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	--	1
Benzene	ND		ug/kg	2.9	--	1
Toluene	ND		ug/kg	4.4	--	1
Ethylbenzene	ND		ug/kg	2.9	--	1
Chloromethane	ND		ug/kg	15	--	1
Bromomethane	ND		ug/kg	5.9	--	1
Vinyl chloride	ND		ug/kg	5.9	--	1
Chloroethane	ND		ug/kg	5.9	--	1
1,1-Dichloroethene	ND		ug/kg	2.9	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	--	1
Trichloroethene	ND		ug/kg	2.9	--	1
1,2-Dichlorobenzene	ND		ug/kg	15	--	1
1,3-Dichlorobenzene	ND		ug/kg	15	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-01 Date Collected: 02/17/11 09:20

Client ID: SB-9(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	15	--	1
Methyl tert butyl ether	ND		ug/kg	5.9	--	1
p/m-Xylene	ND		ug/kg	5.9	--	1
o-Xylene	ND		ug/kg	5.9	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	--	1
Dibromomethane	ND		ug/kg	29	--	1
Styrene	ND		ug/kg	5.9	--	1
Dichlorodifluoromethane	ND		ug/kg	29	--	1
Acetone	ND		ug/kg	29	--	1
Carbon disulfide	ND		ug/kg	29	--	1
2-Butanone	ND		ug/kg	29	--	1
Vinyl acetate	ND		ug/kg	29	--	1
4-Methyl-2-pentanone	ND		ug/kg	29	--	1
1,2,3-Trichloropropane	ND		ug/kg	29	--	1
2-Hexanone	ND		ug/kg	29	--	1
Bromochloromethane	ND		ug/kg	15	--	1
2,2-Dichloropropane	ND		ug/kg	15	--	1
1,2-Dibromoethane	ND		ug/kg	12	--	1
1,3-Dichloropropane	ND		ug/kg	15	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	--	1
Bromobenzene	ND		ug/kg	15	--	1
n-Butylbenzene	ND		ug/kg	2.9	--	1
sec-Butylbenzene	ND		ug/kg	2.9	--	1
tert-Butylbenzene	ND		ug/kg	15	--	1
o-Chlorotoluene	ND		ug/kg	15	--	1
p-Chlorotoluene	ND		ug/kg	15	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	--	1
Hexachlorobutadiene	ND		ug/kg	15	--	1
Isopropylbenzene	ND		ug/kg	2.9	--	1
p-Isopropyltoluene	ND		ug/kg	2.9	--	1
Naphthalene	ND		ug/kg	15	--	1
Acrylonitrile	ND		ug/kg	29	--	1
n-Propylbenzene	ND		ug/kg	2.9	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-01	Date Collected:	02/17/11 09:20
Client ID:	SB-9(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Diethylbenzene	ND		ug/kg	12	--	1
4-Ethyltoluene	ND		ug/kg	12	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	--	1
Ethyl ether	ND		ug/kg	15	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	102		70-130

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-02	Date Collected:	02/17/11 09:30
Client ID:	SB-10(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	02/19/11 12:25		
Analyst:	CF		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	--	1
1,1-Dichloroethane	ND		ug/kg	4.5	--	1
Chloroform	ND		ug/kg	4.5	--	1
Carbon tetrachloride	ND		ug/kg	3.0	--	1
1,2-Dichloropropane	ND		ug/kg	10	--	1
Dibromochloromethane	ND		ug/kg	3.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	--	1
Tetrachloroethene	ND		ug/kg	3.0	--	1
Chlorobenzene	ND		ug/kg	3.0	--	1
Trichlorofluoromethane	ND		ug/kg	15	--	1
1,2-Dichloroethane	ND		ug/kg	3.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	--	1
Bromodichloromethane	ND		ug/kg	3.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	--	1
1,1-Dichloropropene	ND		ug/kg	15	--	1
Bromoform	ND		ug/kg	12	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	--	1
Benzene	ND		ug/kg	3.0	--	1
Toluene	ND		ug/kg	4.5	--	1
Ethylbenzene	ND		ug/kg	3.0	--	1
Chloromethane	ND		ug/kg	15	--	1
Bromomethane	ND		ug/kg	6.0	--	1
Vinyl chloride	ND		ug/kg	6.0	--	1
Chloroethane	ND		ug/kg	6.0	--	1
1,1-Dichloroethene	ND		ug/kg	3.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	--	1
Trichloroethene	ND		ug/kg	3.0	--	1
1,2-Dichlorobenzene	ND		ug/kg	15	--	1
1,3-Dichlorobenzene	ND		ug/kg	15	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-02 Date Collected: 02/17/11 09:30

Client ID: SB-10(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	15	--	1
Methyl tert butyl ether	ND		ug/kg	6.0	--	1
p/m-Xylene	ND		ug/kg	6.0	--	1
o-Xylene	ND		ug/kg	6.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	--	1
Dibromomethane	ND		ug/kg	30	--	1
Styrene	ND		ug/kg	6.0	--	1
Dichlorodifluoromethane	ND		ug/kg	30	--	1
Acetone	ND		ug/kg	30	--	1
Carbon disulfide	ND		ug/kg	30	--	1
2-Butanone	ND		ug/kg	30	--	1
Vinyl acetate	ND		ug/kg	30	--	1
4-Methyl-2-pentanone	ND		ug/kg	30	--	1
1,2,3-Trichloropropane	ND		ug/kg	30	--	1
2-Hexanone	ND		ug/kg	30	--	1
Bromochloromethane	ND		ug/kg	15	--	1
2,2-Dichloropropane	ND		ug/kg	15	--	1
1,2-Dibromoethane	ND		ug/kg	12	--	1
1,3-Dichloropropane	ND		ug/kg	15	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	--	1
Bromobenzene	ND		ug/kg	15	--	1
n-Butylbenzene	ND		ug/kg	3.0	--	1
sec-Butylbenzene	ND		ug/kg	3.0	--	1
tert-Butylbenzene	ND		ug/kg	15	--	1
o-Chlorotoluene	ND		ug/kg	15	--	1
p-Chlorotoluene	ND		ug/kg	15	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	--	1
Hexachlorobutadiene	ND		ug/kg	15	--	1
Isopropylbenzene	ND		ug/kg	3.0	--	1
p-Isopropyltoluene	ND		ug/kg	3.0	--	1
Naphthalene	ND		ug/kg	15	--	1
Acrylonitrile	ND		ug/kg	30	--	1
n-Propylbenzene	ND		ug/kg	3.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-02	Date Collected:	02/17/11 09:30
Client ID:	SB-10(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Diethylbenzene	ND		ug/kg	12	--	1
4-Ethyltoluene	ND		ug/kg	12	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	--	1
Ethyl ether	ND		ug/kg	15	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	103		70-130

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-03	Date Collected:	02/17/11 10:10
Client ID:	SB-11(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	02/19/11 12:52		
Analyst:	CF		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	--	1
1,1-Dichloroethane	ND		ug/kg	4.4	--	1
Chloroform	ND		ug/kg	4.4	--	1
Carbon tetrachloride	ND		ug/kg	2.9	--	1
1,2-Dichloropropane	ND		ug/kg	10	--	1
Dibromochloromethane	ND		ug/kg	2.9	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	--	1
Tetrachloroethene	ND		ug/kg	2.9	--	1
Chlorobenzene	ND		ug/kg	2.9	--	1
Trichlorofluoromethane	ND		ug/kg	15	--	1
1,2-Dichloroethane	ND		ug/kg	2.9	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	--	1
Bromodichloromethane	ND		ug/kg	2.9	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	--	1
1,1-Dichloropropene	ND		ug/kg	15	--	1
Bromoform	ND		ug/kg	12	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	--	1
Benzene	ND		ug/kg	2.9	--	1
Toluene	ND		ug/kg	4.4	--	1
Ethylbenzene	ND		ug/kg	2.9	--	1
Chloromethane	ND		ug/kg	15	--	1
Bromomethane	ND		ug/kg	5.9	--	1
Vinyl chloride	ND		ug/kg	5.9	--	1
Chloroethane	ND		ug/kg	5.9	--	1
1,1-Dichloroethene	ND		ug/kg	2.9	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	--	1
Trichloroethene	ND		ug/kg	2.9	--	1
1,2-Dichlorobenzene	ND		ug/kg	15	--	1
1,3-Dichlorobenzene	ND		ug/kg	15	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-03 Date Collected: 02/17/11 10:10

Client ID: SB-11(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	15	--	1
Methyl tert butyl ether	ND		ug/kg	5.9	--	1
p/m-Xylene	ND		ug/kg	5.9	--	1
o-Xylene	ND		ug/kg	5.9	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	--	1
Dibromomethane	ND		ug/kg	29	--	1
Styrene	ND		ug/kg	5.9	--	1
Dichlorodifluoromethane	ND		ug/kg	29	--	1
Acetone	ND		ug/kg	29	--	1
Carbon disulfide	ND		ug/kg	29	--	1
2-Butanone	ND		ug/kg	29	--	1
Vinyl acetate	ND		ug/kg	29	--	1
4-Methyl-2-pentanone	ND		ug/kg	29	--	1
1,2,3-Trichloropropane	ND		ug/kg	29	--	1
2-Hexanone	ND		ug/kg	29	--	1
Bromochloromethane	ND		ug/kg	15	--	1
2,2-Dichloropropane	ND		ug/kg	15	--	1
1,2-Dibromoethane	ND		ug/kg	12	--	1
1,3-Dichloropropane	ND		ug/kg	15	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	--	1
Bromobenzene	ND		ug/kg	15	--	1
n-Butylbenzene	ND		ug/kg	2.9	--	1
sec-Butylbenzene	ND		ug/kg	2.9	--	1
tert-Butylbenzene	ND		ug/kg	15	--	1
o-Chlorotoluene	ND		ug/kg	15	--	1
p-Chlorotoluene	ND		ug/kg	15	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	--	1
Hexachlorobutadiene	ND		ug/kg	15	--	1
Isopropylbenzene	ND		ug/kg	2.9	--	1
p-Isopropyltoluene	ND		ug/kg	2.9	--	1
Naphthalene	ND		ug/kg	15	--	1
Acrylonitrile	ND		ug/kg	29	--	1
n-Propylbenzene	ND		ug/kg	2.9	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-03	Date Collected:	02/17/11 10:10
Client ID:	SB-11(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Diethylbenzene	ND		ug/kg	12	--	1
4-Ethyltoluene	ND		ug/kg	12	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	--	1
Ethyl ether	ND		ug/kg	15	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	102		70-130

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-04	Date Collected:	02/17/11 10:35
Client ID:	SB-12(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	02/19/11 13:19		
Analyst:	CF		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	--	1
1,1-Dichloroethane	ND		ug/kg	4.4	--	1
Chloroform	ND		ug/kg	4.4	--	1
Carbon tetrachloride	ND		ug/kg	2.9	--	1
1,2-Dichloropropane	ND		ug/kg	10	--	1
Dibromochloromethane	ND		ug/kg	2.9	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.4	--	1
Tetrachloroethene	ND		ug/kg	2.9	--	1
Chlorobenzene	ND		ug/kg	2.9	--	1
Trichlorofluoromethane	ND		ug/kg	14	--	1
1,2-Dichloroethane	ND		ug/kg	2.9	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	--	1
Bromodichloromethane	ND		ug/kg	2.9	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	--	1
1,1-Dichloropropene	ND		ug/kg	14	--	1
Bromoform	ND		ug/kg	12	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	--	1
Benzene	ND		ug/kg	2.9	--	1
Toluene	ND		ug/kg	4.4	--	1
Ethylbenzene	ND		ug/kg	2.9	--	1
Chloromethane	ND		ug/kg	14	--	1
Bromomethane	ND		ug/kg	5.8	--	1
Vinyl chloride	ND		ug/kg	5.8	--	1
Chloroethane	ND		ug/kg	5.8	--	1
1,1-Dichloroethene	ND		ug/kg	2.9	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.4	--	1
Trichloroethene	ND		ug/kg	2.9	--	1
1,2-Dichlorobenzene	ND		ug/kg	14	--	1
1,3-Dichlorobenzene	ND		ug/kg	14	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-04 Date Collected: 02/17/11 10:35

Client ID: SB-12(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	14	--	1
Methyl tert butyl ether	ND		ug/kg	5.8	--	1
p/m-Xylene	ND		ug/kg	5.8	--	1
o-Xylene	ND		ug/kg	5.8	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	--	1
Dibromomethane	ND		ug/kg	29	--	1
Styrene	ND		ug/kg	5.8	--	1
Dichlorodifluoromethane	ND		ug/kg	29	--	1
Acetone	ND		ug/kg	29	--	1
Carbon disulfide	ND		ug/kg	29	--	1
2-Butanone	ND		ug/kg	29	--	1
Vinyl acetate	ND		ug/kg	29	--	1
4-Methyl-2-pentanone	ND		ug/kg	29	--	1
1,2,3-Trichloropropane	ND		ug/kg	29	--	1
2-Hexanone	ND		ug/kg	29	--	1
Bromochloromethane	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	12	--	1
1,3-Dichloropropane	ND		ug/kg	14	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	--	1
Bromobenzene	ND		ug/kg	14	--	1
n-Butylbenzene	ND		ug/kg	2.9	--	1
sec-Butylbenzene	ND		ug/kg	2.9	--	1
tert-Butylbenzene	ND		ug/kg	14	--	1
o-Chlorotoluene	ND		ug/kg	14	--	1
p-Chlorotoluene	ND		ug/kg	14	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	--	1
Hexachlorobutadiene	ND		ug/kg	14	--	1
Isopropylbenzene	ND		ug/kg	2.9	--	1
p-Isopropyltoluene	ND		ug/kg	2.9	--	1
Naphthalene	ND		ug/kg	14	--	1
Acrylonitrile	ND		ug/kg	29	--	1
n-Propylbenzene	ND		ug/kg	2.9	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-04	Date Collected:	02/17/11 10:35
Client ID:	SB-12(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Diethylbenzene	ND		ug/kg	12	--	1
4-Ethyltoluene	ND		ug/kg	12	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	--	1
Ethyl ether	ND		ug/kg	14	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	103		70-130

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-05	Date Collected:	02/17/11 11:25
Client ID:	SB-13(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	02/19/11 13:47		
Analyst:	CF		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	29	--	1
1,1-Dichloroethane	ND		ug/kg	4.3	--	1
Chloroform	ND		ug/kg	4.3	--	1
Carbon tetrachloride	ND		ug/kg	2.9	--	1
1,2-Dichloropropane	ND		ug/kg	10	--	1
Dibromochloromethane	ND		ug/kg	2.9	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.3	--	1
Tetrachloroethene	ND		ug/kg	2.9	--	1
Chlorobenzene	ND		ug/kg	2.9	--	1
Trichlorofluoromethane	ND		ug/kg	14	--	1
1,2-Dichloroethane	ND		ug/kg	2.9	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.9	--	1
Bromodichloromethane	ND		ug/kg	2.9	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.9	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.9	--	1
1,1-Dichloropropene	ND		ug/kg	14	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.9	--	1
Benzene	ND		ug/kg	2.9	--	1
Toluene	ND		ug/kg	4.3	--	1
Ethylbenzene	ND		ug/kg	2.9	--	1
Chloromethane	ND		ug/kg	14	--	1
Bromomethane	ND		ug/kg	5.7	--	1
Vinyl chloride	ND		ug/kg	5.7	--	1
Chloroethane	ND		ug/kg	5.7	--	1
1,1-Dichloroethene	ND		ug/kg	2.9	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.3	--	1
Trichloroethene	ND		ug/kg	2.9	--	1
1,2-Dichlorobenzene	ND		ug/kg	14	--	1
1,3-Dichlorobenzene	ND		ug/kg	14	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-05 Date Collected: 02/17/11 11:25

Client ID: SB-13(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	14	--	1
Methyl tert butyl ether	ND		ug/kg	5.7	--	1
p/m-Xylene	ND		ug/kg	5.7	--	1
o-Xylene	ND		ug/kg	5.7	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.9	--	1
Dibromomethane	ND		ug/kg	29	--	1
Styrene	ND		ug/kg	5.7	--	1
Dichlorodifluoromethane	ND		ug/kg	29	--	1
Acetone	ND		ug/kg	29	--	1
Carbon disulfide	ND		ug/kg	29	--	1
2-Butanone	ND		ug/kg	29	--	1
Vinyl acetate	ND		ug/kg	29	--	1
4-Methyl-2-pentanone	ND		ug/kg	29	--	1
1,2,3-Trichloropropane	ND		ug/kg	29	--	1
2-Hexanone	ND		ug/kg	29	--	1
Bromochloromethane	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	14	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.9	--	1
Bromobenzene	ND		ug/kg	14	--	1
n-Butylbenzene	ND		ug/kg	2.9	--	1
sec-Butylbenzene	ND		ug/kg	2.9	--	1
tert-Butylbenzene	ND		ug/kg	14	--	1
o-Chlorotoluene	ND		ug/kg	14	--	1
p-Chlorotoluene	ND		ug/kg	14	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	--	1
Hexachlorobutadiene	ND		ug/kg	14	--	1
Isopropylbenzene	ND		ug/kg	2.9	--	1
p-Isopropyltoluene	ND		ug/kg	2.9	--	1
Naphthalene	ND		ug/kg	14	--	1
Acrylonitrile	ND		ug/kg	29	--	1
n-Propylbenzene	ND		ug/kg	2.9	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-05	Date Collected:	02/17/11 11:25
Client ID:	SB-13(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1
Ethyl ether	ND		ug/kg	14	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	104		70-130

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-06	Date Collected:	02/17/11 11:35
Client ID:	SB-14(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	02/19/11 14:14		
Analyst:	CF		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	30	--	1
1,1-Dichloroethane	ND		ug/kg	4.5	--	1
Chloroform	ND		ug/kg	4.5	--	1
Carbon tetrachloride	ND		ug/kg	3.0	--	1
1,2-Dichloropropane	ND		ug/kg	10	--	1
Dibromochloromethane	ND		ug/kg	3.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.5	--	1
Tetrachloroethene	ND		ug/kg	3.0	--	1
Chlorobenzene	ND		ug/kg	3.0	--	1
Trichlorofluoromethane	ND		ug/kg	15	--	1
1,2-Dichloroethane	ND		ug/kg	3.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	3.0	--	1
Bromodichloromethane	ND		ug/kg	3.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	3.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	3.0	--	1
1,1-Dichloropropene	ND		ug/kg	15	--	1
Bromoform	ND		ug/kg	12	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	3.0	--	1
Benzene	ND		ug/kg	3.0	--	1
Toluene	ND		ug/kg	4.5	--	1
Ethylbenzene	ND		ug/kg	3.0	--	1
Chloromethane	ND		ug/kg	15	--	1
Bromomethane	ND		ug/kg	6.0	--	1
Vinyl chloride	ND		ug/kg	6.0	--	1
Chloroethane	ND		ug/kg	6.0	--	1
1,1-Dichloroethene	ND		ug/kg	3.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.5	--	1
Trichloroethene	ND		ug/kg	3.0	--	1
1,2-Dichlorobenzene	ND		ug/kg	15	--	1
1,3-Dichlorobenzene	ND		ug/kg	15	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-06 Date Collected: 02/17/11 11:35

Client ID: SB-14(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	15	--	1
Methyl tert butyl ether	ND		ug/kg	6.0	--	1
p/m-Xylene	ND		ug/kg	6.0	--	1
o-Xylene	ND		ug/kg	6.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	3.0	--	1
Dibromomethane	ND		ug/kg	30	--	1
Styrene	ND		ug/kg	6.0	--	1
Dichlorodifluoromethane	ND		ug/kg	30	--	1
Acetone	ND		ug/kg	30	--	1
Carbon disulfide	ND		ug/kg	30	--	1
2-Butanone	ND		ug/kg	30	--	1
Vinyl acetate	ND		ug/kg	30	--	1
4-Methyl-2-pentanone	ND		ug/kg	30	--	1
1,2,3-Trichloropropane	ND		ug/kg	30	--	1
2-Hexanone	ND		ug/kg	30	--	1
Bromochloromethane	ND		ug/kg	15	--	1
2,2-Dichloropropane	ND		ug/kg	15	--	1
1,2-Dibromoethane	ND		ug/kg	12	--	1
1,3-Dichloropropane	ND		ug/kg	15	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	3.0	--	1
Bromobenzene	ND		ug/kg	15	--	1
n-Butylbenzene	ND		ug/kg	3.0	--	1
sec-Butylbenzene	ND		ug/kg	3.0	--	1
tert-Butylbenzene	ND		ug/kg	15	--	1
o-Chlorotoluene	ND		ug/kg	15	--	1
p-Chlorotoluene	ND		ug/kg	15	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	15	--	1
Hexachlorobutadiene	ND		ug/kg	15	--	1
Isopropylbenzene	ND		ug/kg	3.0	--	1
p-Isopropyltoluene	ND		ug/kg	3.0	--	1
Naphthalene	ND		ug/kg	15	--	1
Acrylonitrile	ND		ug/kg	30	--	1
n-Propylbenzene	ND		ug/kg	3.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	15	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	15	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	15	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	15	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-06	Date Collected:	02/17/11 11:35
Client ID:	SB-14(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Diethylbenzene	ND		ug/kg	12	--	1
4-Ethyltoluene	ND		ug/kg	12	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	12	--	1
Ethyl ether	ND		ug/kg	15	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	15	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	103		70-130

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-07	Date Collected:	02/17/11 12:00
Client ID:	SB-15(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	02/19/11 14:41		
Analyst:	CF		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	27	--	1
1,1-Dichloroethane	ND		ug/kg	4.1	--	1
Chloroform	ND		ug/kg	4.1	--	1
Carbon tetrachloride	ND		ug/kg	2.7	--	1
1,2-Dichloropropane	ND		ug/kg	9.5	--	1
Dibromochloromethane	ND		ug/kg	2.7	--	1
1,1,2-Trichloroethane	ND		ug/kg	4.1	--	1
Tetrachloroethene	ND		ug/kg	2.7	--	1
Chlorobenzene	ND		ug/kg	2.7	--	1
Trichlorofluoromethane	ND		ug/kg	14	--	1
1,2-Dichloroethane	ND		ug/kg	2.7	--	1
1,1,1-Trichloroethane	ND		ug/kg	2.7	--	1
Bromodichloromethane	ND		ug/kg	2.7	--	1
trans-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
cis-1,3-Dichloropropene	ND		ug/kg	2.7	--	1
1,1-Dichloropropene	ND		ug/kg	14	--	1
Bromoform	ND		ug/kg	11	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Benzene	ND		ug/kg	2.7	--	1
Toluene	ND		ug/kg	4.1	--	1
Ethylbenzene	ND		ug/kg	2.7	--	1
Chloromethane	ND		ug/kg	14	--	1
Bromomethane	ND		ug/kg	5.4	--	1
Vinyl chloride	ND		ug/kg	5.4	--	1
Chloroethane	ND		ug/kg	5.4	--	1
1,1-Dichloroethene	ND		ug/kg	2.7	--	1
trans-1,2-Dichloroethene	ND		ug/kg	4.1	--	1
Trichloroethene	ND		ug/kg	2.7	--	1
1,2-Dichlorobenzene	ND		ug/kg	14	--	1
1,3-Dichlorobenzene	ND		ug/kg	14	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-07 Date Collected: 02/17/11 12:00

Client ID: SB-15(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	14	--	1
Methyl tert butyl ether	ND		ug/kg	5.4	--	1
p/m-Xylene	ND		ug/kg	5.4	--	1
o-Xylene	ND		ug/kg	5.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	2.7	--	1
Dibromomethane	ND		ug/kg	27	--	1
Styrene	ND		ug/kg	5.4	--	1
Dichlorodifluoromethane	ND		ug/kg	27	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	27	--	1
2-Butanone	ND		ug/kg	27	--	1
Vinyl acetate	ND		ug/kg	27	--	1
4-Methyl-2-pentanone	ND		ug/kg	27	--	1
1,2,3-Trichloropropane	ND		ug/kg	27	--	1
2-Hexanone	ND		ug/kg	27	--	1
Bromochloromethane	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	14	--	1
1,2-Dibromoethane	ND		ug/kg	11	--	1
1,3-Dichloropropane	ND		ug/kg	14	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.7	--	1
Bromobenzene	ND		ug/kg	14	--	1
n-Butylbenzene	ND		ug/kg	2.7	--	1
sec-Butylbenzene	ND		ug/kg	2.7	--	1
tert-Butylbenzene	ND		ug/kg	14	--	1
o-Chlorotoluene	ND		ug/kg	14	--	1
p-Chlorotoluene	ND		ug/kg	14	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	14	--	1
Hexachlorobutadiene	ND		ug/kg	14	--	1
Isopropylbenzene	ND		ug/kg	2.7	--	1
p-Isopropyltoluene	ND		ug/kg	2.7	--	1
Naphthalene	ND		ug/kg	14	--	1
Acrylonitrile	ND		ug/kg	27	--	1
n-Propylbenzene	ND		ug/kg	2.7	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	14	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	14	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	14	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	14	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-07	Date Collected:	02/17/11 12:00
Client ID:	SB-15(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Diethylbenzene	ND		ug/kg	11	--	1
4-Ethyltoluene	ND		ug/kg	11	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	11	--	1
Ethyl ether	ND		ug/kg	14	--	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	14	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	106		70-130

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 02/19/11 07:55
Analyst: CF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG455817-3					
Methylene chloride	ND		ug/kg	25	--
1,1-Dichloroethane	ND		ug/kg	3.8	--
Chloroform	ND		ug/kg	3.8	--
Carbon tetrachloride	ND		ug/kg	2.5	--
1,2-Dichloropropane	ND		ug/kg	8.8	--
Dibromochloromethane	ND		ug/kg	2.5	--
1,1,2-Trichloroethane	ND		ug/kg	3.8	--
Tetrachloroethene	ND		ug/kg	2.5	--
Chlorobenzene	ND		ug/kg	2.5	--
Trichlorofluoromethane	ND		ug/kg	12	--
1,2-Dichloroethane	ND		ug/kg	2.5	--
1,1,1-Trichloroethane	ND		ug/kg	2.5	--
Bromodichloromethane	ND		ug/kg	2.5	--
trans-1,3-Dichloropropene	ND		ug/kg	2.5	--
cis-1,3-Dichloropropene	ND		ug/kg	2.5	--
1,1-Dichloropropene	ND		ug/kg	12	--
Bromoform	ND		ug/kg	10	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.5	--
Benzene	ND		ug/kg	2.5	--
Toluene	ND		ug/kg	3.8	--
Ethylbenzene	ND		ug/kg	2.5	--
Chloromethane	ND		ug/kg	12	--
Bromomethane	ND		ug/kg	5.0	--
Vinyl chloride	ND		ug/kg	5.0	--
Chloroethane	ND		ug/kg	5.0	--
1,1-Dichloroethene	ND		ug/kg	2.5	--
trans-1,2-Dichloroethene	ND		ug/kg	3.8	--
Trichloroethene	ND		ug/kg	2.5	--
1,2-Dichlorobenzene	ND		ug/kg	12	--
1,3-Dichlorobenzene	ND		ug/kg	12	--
1,4-Dichlorobenzene	ND		ug/kg	12	--

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 02/19/11 07:55
Analyst: CF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG455817-3					
Methyl tert butyl ether	ND		ug/kg	5.0	--
p/m-Xylene	ND		ug/kg	5.0	--
o-Xylene	ND		ug/kg	5.0	--
cis-1,2-Dichloroethene	ND		ug/kg	2.5	--
Dibromomethane	ND		ug/kg	25	--
Styrene	ND		ug/kg	5.0	--
Dichlorodifluoromethane	ND		ug/kg	25	--
Acetone	ND		ug/kg	25	--
Carbon disulfide	ND		ug/kg	25	--
2-Butanone	ND		ug/kg	25	--
Vinyl acetate	ND		ug/kg	25	--
4-Methyl-2-pentanone	ND		ug/kg	25	--
1,2,3-Trichloropropane	ND		ug/kg	25	--
2-Hexanone	ND		ug/kg	25	--
Bromochloromethane	ND		ug/kg	12	--
2,2-Dichloropropane	ND		ug/kg	12	--
1,2-Dibromoethane	ND		ug/kg	10	--
1,3-Dichloropropane	ND		ug/kg	12	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.5	--
Bromobenzene	ND		ug/kg	12	--
n-Butylbenzene	ND		ug/kg	2.5	--
sec-Butylbenzene	ND		ug/kg	2.5	--
tert-Butylbenzene	ND		ug/kg	12	--
o-Chlorotoluene	ND		ug/kg	12	--
p-Chlorotoluene	ND		ug/kg	12	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	12	--
Hexachlorobutadiene	ND		ug/kg	12	--
Isopropylbenzene	ND		ug/kg	2.5	--
p-Isopropyltoluene	ND		ug/kg	2.5	--
Naphthalene	ND		ug/kg	12	--
Acrylonitrile	ND		ug/kg	25	--

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 02/19/11 07:55
Analyst: CF

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG455817-3					
n-Propylbenzene	ND		ug/kg	2.5	--
1,2,3-Trichlorobenzene	ND		ug/kg	12	--
1,2,4-Trichlorobenzene	ND		ug/kg	12	--
1,3,5-Trimethylbenzene	ND		ug/kg	12	--
1,2,4-Trimethylbenzene	ND		ug/kg	12	--
1,4-Diethylbenzene	ND		ug/kg	10	--
4-Ethyltoluene	ND		ug/kg	10	--
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	--
Ethyl ether	ND		ug/kg	12	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	12	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY

Project Number: 11160

Lab Number: L1102299

Report Date: 02/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG455817-1 WG455817-2								
Chlorobenzene	95		95		60-133	0		30
Benzene	90		91		66-142	1		30
Toluene	92		94		59-139	2		30
1,1-Dichloroethene	96		95		59-172	1		30
Trichloroethene	100		98		62-137	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		112		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	103		104		70-130

SEMIVOLATILES

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-01 D	Date Collected:	02/17/11 09:20
Client ID:	SB-9(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/21/11 22:21
Analytical Date:	02/23/11 11:53		
Analyst:	JB		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	380	--	2
Bis(2-chloroethyl)ether	ND		ug/kg	380	--	2
1,2-Dichlorobenzene	ND		ug/kg	380	--	2
1,3-Dichlorobenzene	ND		ug/kg	380	--	2
1,4-Dichlorobenzene	ND		ug/kg	380	--	2
3,3'-Dichlorobenzidine	ND		ug/kg	760	--	2
2,4-Dinitrotoluene	ND		ug/kg	380	--	2
2,6-Dinitrotoluene	ND		ug/kg	380	--	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	--	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	--	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	380	--	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	--	2
Hexachlorocyclopentadiene	ND		ug/kg	760	--	2
Isophorone	ND		ug/kg	380	--	2
Nitrobenzene	ND		ug/kg	380	--	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	1100	--	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	--	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	760	--	2
Butyl benzyl phthalate	ND		ug/kg	380	--	2
Di-n-butylphthalate	ND		ug/kg	380	--	2
Di-n-octylphthalate	ND		ug/kg	380	--	2
Diethyl phthalate	ND		ug/kg	380	--	2
Dimethyl phthalate	ND		ug/kg	380	--	2
Biphenyl	ND		ug/kg	380	--	2
4-Chloroaniline	ND		ug/kg	380	--	2
2-Nitroaniline	ND		ug/kg	380	--	2
3-Nitroaniline	ND		ug/kg	380	--	2
4-Nitroaniline	ND		ug/kg	540	--	2
Dibenzofuran	ND		ug/kg	380	--	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1500	--	2

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-01 D Date Collected: 02/17/11 09:20

Client ID: SB-9(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	1500	--	2
2,4,6-Trichlorophenol	ND		ug/kg	380	--	2
P-Chloro-M-Cresol	ND		ug/kg	380	--	2
2-Chlorophenol	ND		ug/kg	460	--	2
2,4-Dichlorophenol	ND		ug/kg	760	--	2
2,4-Dimethylphenol	ND		ug/kg	380	--	2
2-Nitrophenol	ND		ug/kg	1500	--	2
4-Nitrophenol	ND		ug/kg	760	--	2
2,4-Dinitrophenol	ND		ug/kg	1500	--	2
4,6-Dinitro-o-cresol	ND		ug/kg	1500	--	2
Phenol	ND		ug/kg	540	--	2
2-Methylphenol	ND		ug/kg	460	--	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	460	--	2
2,4,5-Trichlorophenol	ND		ug/kg	380	--	2
Benzoic Acid	ND		ug/kg	3800	--	2
Benzyl Alcohol	ND		ug/kg	760	--	2
Carbazole	ND		ug/kg	380	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	58		18-120

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-01 D	Date Collected:	02/17/11 09:20
Client ID:	SB-9(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/21/11 22:28
Analytical Date:	02/23/11 14:18		
Analyst:	AS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	85		ug/kg	76	--	10
2-Chloronaphthalene	ND		ug/kg	76	--	10
Fluoranthene	2600		ug/kg	76	--	10
Hexachlorobutadiene	ND		ug/kg	190	--	10
Naphthalene	100		ug/kg	76	--	10
Benzo(a)anthracene	1500		ug/kg	76	--	10
Benzo(a)pyrene	1400		ug/kg	76	--	10
Benzo(b)fluoranthene	1800		ug/kg	76	--	10
Benzo(k)fluoranthene	700		ug/kg	76	--	10
Chrysene	1400		ug/kg	76	--	10
Acenaphthylene	81		ug/kg	76	--	10
Anthracene	280		ug/kg	76	--	10
Benzo(ghi)perylene	900		ug/kg	76	--	10
Fluorene	ND		ug/kg	76	--	10
Phenanthrene	1400		ug/kg	76	--	10
Dibenzo(a,h)anthracene	350		ug/kg	76	--	10
Indeno(1,2,3-cd)Pyrene	840		ug/kg	76	--	10
Pyrene	2300		ug/kg	76	--	10
2-Methylnaphthalene	260		ug/kg	76	--	10
Pentachlorophenol	ND		ug/kg	310	--	10
Hexachlorobenzene	ND		ug/kg	310	--	10
Hexachloroethane	ND		ug/kg	310	--	10

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-01	D	Date Collected:	02/17/11 09:20
Client ID:	SB-9(0-2)		Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	136		0-136
4-Terphenyl-d14	66		18-120

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-02 D	Date Collected:	02/17/11 09:30
Client ID:	SB-10(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/21/11 22:21
Analytical Date:	02/23/11 12:17		
Analyst:	JB		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	1000	--	5
Bis(2-chloroethyl)ether	ND		ug/kg	1000	--	5
1,2-Dichlorobenzene	ND		ug/kg	1000	--	5
1,3-Dichlorobenzene	ND		ug/kg	1000	--	5
1,4-Dichlorobenzene	ND		ug/kg	1000	--	5
3,3'-Dichlorobenzidine	ND		ug/kg	2000	--	5
2,4-Dinitrotoluene	ND		ug/kg	1000	--	5
2,6-Dinitrotoluene	ND		ug/kg	1000	--	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1000	--	5
4-Bromophenyl phenyl ether	ND		ug/kg	1000	--	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1000	--	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	--	5
Hexachlorocyclopentadiene	ND		ug/kg	2000	--	5
Isophorone	ND		ug/kg	1000	--	5
Nitrobenzene	ND		ug/kg	1000	--	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	3000	--	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1000	--	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	2000	--	5
Butyl benzyl phthalate	ND		ug/kg	1000	--	5
Di-n-butylphthalate	ND		ug/kg	1000	--	5
Di-n-octylphthalate	ND		ug/kg	1000	--	5
Diethyl phthalate	ND		ug/kg	1000	--	5
Dimethyl phthalate	ND		ug/kg	1000	--	5
Biphenyl	ND		ug/kg	1000	--	5
4-Chloroaniline	ND		ug/kg	1000	--	5
2-Nitroaniline	ND		ug/kg	1000	--	5
3-Nitroaniline	ND		ug/kg	1000	--	5
4-Nitroaniline	ND		ug/kg	1400	--	5
Dibenzofuran	ND		ug/kg	1000	--	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	4000	--	5

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-02 D Date Collected: 02/17/11 09:30

Client ID: SB-10(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	4000	--	5
2,4,6-Trichlorophenol	ND		ug/kg	1000	--	5
P-Chloro-M-Cresol	ND		ug/kg	1000	--	5
2-Chlorophenol	ND		ug/kg	1200	--	5
2,4-Dichlorophenol	ND		ug/kg	2000	--	5
2,4-Dimethylphenol	ND		ug/kg	1000	--	5
2-Nitrophenol	ND		ug/kg	4000	--	5
4-Nitrophenol	ND		ug/kg	2000	--	5
2,4-Dinitrophenol	ND		ug/kg	4000	--	5
4,6-Dinitro-o-cresol	ND		ug/kg	4000	--	5
Phenol	ND		ug/kg	1400	--	5
2-Methylphenol	ND		ug/kg	1200	--	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1200	--	5
2,4,5-Trichlorophenol	ND		ug/kg	1000	--	5
Benzoic Acid	ND		ug/kg	10000	--	5
Benzyl Alcohol	ND		ug/kg	2000	--	5
Carbazole	ND		ug/kg	1000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	71		0-136
4-Terphenyl-d14	48		18-120

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-02 D	Date Collected:	02/17/11 09:30
Client ID:	SB-10(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/21/11 22:28
Analytical Date:	02/23/11 14:44		
Analyst:	AS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	370		ug/kg	160	--	20
2-Chloronaphthalene	ND		ug/kg	160	--	20
Fluoranthene	9300		ug/kg	160	--	20
Hexachlorobutadiene	ND		ug/kg	400	--	20
Naphthalene	260		ug/kg	160	--	20
Benzo(a)anthracene	5000		ug/kg	160	--	20
Benzo(a)pyrene	3900		ug/kg	160	--	20
Benzo(b)fluoranthene	5200		ug/kg	160	--	20
Benzo(k)fluoranthene	1900		ug/kg	160	--	20
Chrysene	4600		ug/kg	160	--	20
Acenaphthylene	710		ug/kg	160	--	20
Anthracene	1400		ug/kg	160	--	20
Benzo(ghi)perylene	2100		ug/kg	160	--	20
Fluorene	440		ug/kg	160	--	20
Phenanthrene	5300		ug/kg	160	--	20
Dibenzo(a,h)anthracene	930		ug/kg	160	--	20
Indeno(1,2,3-cd)Pyrene	2200		ug/kg	160	--	20
Pyrene	8000		ug/kg	160	--	20
2-Methylnaphthalene	ND		ug/kg	160	--	20
Pentachlorophenol	ND		ug/kg	640	--	20
Hexachlorobenzene	ND		ug/kg	640	--	20
Hexachloroethane	ND		ug/kg	640	--	20

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-02	D	Date Collected:	02/17/11 09:30
Client ID:	SB-10(0-2)		Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-03	D2	Date Collected:	02/17/11 10:10
Client ID:	SB-11(0-2)		Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270C		Extraction Date:	02/21/11 22:28
Analytical Date:	02/24/11 16:10			
Analyst:	AS			
Percent Solids:	85%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Fluoranthene	23000		ug/kg	310	--	40

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-03 D	Date Collected:	02/17/11 10:10
Client ID:	SB-11(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/21/11 22:21
Analytical Date:	02/23/11 12:42		
Analyst:	JB		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	980	--	5
Bis(2-chloroethyl)ether	ND		ug/kg	980	--	5
1,2-Dichlorobenzene	ND		ug/kg	980	--	5
1,3-Dichlorobenzene	ND		ug/kg	980	--	5
1,4-Dichlorobenzene	ND		ug/kg	980	--	5
3,3'-Dichlorobenzidine	ND		ug/kg	2000	--	5
2,4-Dinitrotoluene	ND		ug/kg	980	--	5
2,6-Dinitrotoluene	ND		ug/kg	980	--	5
4-Chlorophenyl phenyl ether	ND		ug/kg	980	--	5
4-Bromophenyl phenyl ether	ND		ug/kg	980	--	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	980	--	5
Bis(2-chloroethoxy)methane	ND		ug/kg	980	--	5
Hexachlorocyclopentadiene	ND		ug/kg	2000	--	5
Isophorone	ND		ug/kg	980	--	5
Nitrobenzene	ND		ug/kg	980	--	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	2900	--	5
n-Nitrosodi-n-propylamine	ND		ug/kg	980	--	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	2000	--	5
Butyl benzyl phthalate	ND		ug/kg	980	--	5
Di-n-butylphthalate	ND		ug/kg	980	--	5
Di-n-octylphthalate	ND		ug/kg	980	--	5
Diethyl phthalate	ND		ug/kg	980	--	5
Dimethyl phthalate	ND		ug/kg	980	--	5
Biphenyl	ND		ug/kg	980	--	5
4-Chloroaniline	ND		ug/kg	980	--	5
2-Nitroaniline	ND		ug/kg	980	--	5
3-Nitroaniline	ND		ug/kg	980	--	5
4-Nitroaniline	ND		ug/kg	1400	--	5
Dibenzofuran	4000		ug/kg	980	--	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	3900	--	5

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-03 D Date Collected: 02/17/11 10:10

Client ID: SB-11(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	3900	--	5
2,4,6-Trichlorophenol	ND		ug/kg	980	--	5
P-Chloro-M-Cresol	ND		ug/kg	980	--	5
2-Chlorophenol	ND		ug/kg	1200	--	5
2,4-Dichlorophenol	ND		ug/kg	2000	--	5
2,4-Dimethylphenol	ND		ug/kg	980	--	5
2-Nitrophenol	ND		ug/kg	3900	--	5
4-Nitrophenol	ND		ug/kg	2000	--	5
2,4-Dinitrophenol	ND		ug/kg	3900	--	5
4,6-Dinitro-o-cresol	ND		ug/kg	3900	--	5
Phenol	ND		ug/kg	1400	--	5
2-Methylphenol	ND		ug/kg	1200	--	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1200	--	5
2,4,5-Trichlorophenol	ND		ug/kg	980	--	5
Benzoic Acid	ND		ug/kg	9800	--	5
Benzyl Alcohol	ND		ug/kg	2000	--	5
Carbazole	2700		ug/kg	980	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	75		0-136
4-Terphenyl-d14	65		18-120

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-03 D	Date Collected:	02/17/11 10:10
Client ID:	SB-11(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/21/11 22:28
Analytical Date:	02/23/11 15:09		
Analyst:	AS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	360		ug/kg	160	--	20
2-Chloronaphthalene	ND		ug/kg	160	--	20
Fluoranthene	20000	E	ug/kg	160	--	20
Hexachlorobutadiene	ND		ug/kg	390	--	20
Naphthalene	6500		ug/kg	160	--	20
Benzo(a)anthracene	5900		ug/kg	160	--	20
Benzo(a)pyrene	5700		ug/kg	160	--	20
Benzo(b)fluoranthene	9000		ug/kg	160	--	20
Benzo(k)fluoranthene	3400		ug/kg	160	--	20
Chrysene	7300		ug/kg	160	--	20
Acenaphthylene	3100		ug/kg	160	--	20
Anthracene	1500		ug/kg	160	--	20
Benzo(ghi)perylene	3800		ug/kg	160	--	20
Fluorene	2400		ug/kg	160	--	20
Phenanthrene	14000		ug/kg	160	--	20
Dibenzo(a,h)anthracene	1200		ug/kg	160	--	20
Indeno(1,2,3-cd)Pyrene	3700		ug/kg	160	--	20
Pyrene	14000		ug/kg	160	--	20
2-Methylnaphthalene	2500		ug/kg	160	--	20
Pentachlorophenol	ND		ug/kg	630	--	20
Hexachlorobenzene	ND		ug/kg	630	--	20
Hexachloroethane	ND		ug/kg	630	--	20

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-03	D	Date Collected:	02/17/11 10:10
Client ID:	SB-11(0-2)		Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-04	Date Collected:	02/17/11 10:35
Client ID:	SB-12(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/24/11 12:54
Analytical Date:	02/25/11 09:07		
Analyst:	JB		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	380	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorocyclopentadiene	ND		ug/kg	380	--	1
Isophorone	ND		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	190	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	580	--	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Biphenyl	ND		ug/kg	190	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
2-Nitroaniline	ND		ug/kg	190	--	1
3-Nitroaniline	ND		ug/kg	190	--	1
4-Nitroaniline	ND		ug/kg	270	--	1
Dibenzofuran	230		ug/kg	190	--	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	770	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-04	Date Collected:	02/17/11 10:35
Client ID:	SB-12(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	770	--	1
2,4,6-Trichlorophenol	ND		ug/kg	190	--	1
P-Chloro-M-Cresol	ND		ug/kg	190	--	1
2-Chlorophenol	ND		ug/kg	230	--	1
2,4-Dichlorophenol	ND		ug/kg	380	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	770	--	1
4-Nitrophenol	ND		ug/kg	380	--	1
2,4-Dinitrophenol	ND		ug/kg	770	--	1
4,6-Dinitro-o-cresol	ND		ug/kg	770	--	1
Phenol	ND		ug/kg	270	--	1
2-Methylphenol	ND		ug/kg	230	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Benzoic Acid	ND		ug/kg	1900	--	1
Benzyl Alcohol	ND		ug/kg	380	--	1
Carbazole	280		ug/kg	190	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	91		18-120

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-04 D	Date Collected:	02/17/11 10:35
Client ID:	SB-12(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/24/11 12:52
Analytical Date:	02/25/11 12:23		
Analyst:	AS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	340		ug/kg	38	--	5
2-Chloronaphthalene	ND		ug/kg	38	--	5
Fluoranthene	2900		ug/kg	38	--	5
Hexachlorobutadiene	ND		ug/kg	96	--	5
Naphthalene	260		ug/kg	38	--	5
Benzo(a)anthracene	1300		ug/kg	38	--	5
Benzo(a)pyrene	1000		ug/kg	38	--	5
Benzo(b)fluoranthene	1200		ug/kg	38	--	5
Benzo(k)fluoranthene	370		ug/kg	38	--	5
Chrysene	1200		ug/kg	38	--	5
Acenaphthylene	41		ug/kg	38	--	5
Anthracene	960		ug/kg	38	--	5
Benzo(ghi)perylene	580		ug/kg	38	--	5
Fluorene	270		ug/kg	38	--	5
Phenanthrene	2600		ug/kg	38	--	5
Dibenzo(a,h)anthracene	170		ug/kg	38	--	5
Indeno(1,2,3-cd)Pyrene	520		ug/kg	38	--	5
Pyrene	2600		ug/kg	38	--	5
2-Methylnaphthalene	120		ug/kg	38	--	5
Pentachlorophenol	ND		ug/kg	150	--	5
Hexachlorobenzene	ND		ug/kg	150	--	5
Hexachloroethane	ND		ug/kg	150	--	5

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-04	D	Date Collected:	02/17/11 10:35
Client ID:	SB-12(0-2)		Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	40		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	102		30-120
2,4,6-Tribromophenol	67		0-136
4-Terphenyl-d14	120		18-120

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-05 D	Date Collected:	02/17/11 11:25
Client ID:	SB-13(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/21/11 22:21
Analytical Date:	02/23/11 13:47		
Analyst:	JB		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	940	--	5
Bis(2-chloroethyl)ether	ND		ug/kg	940	--	5
1,2-Dichlorobenzene	ND		ug/kg	940	--	5
1,3-Dichlorobenzene	ND		ug/kg	940	--	5
1,4-Dichlorobenzene	ND		ug/kg	940	--	5
3,3'-Dichlorobenzidine	ND		ug/kg	1900	--	5
2,4-Dinitrotoluene	ND		ug/kg	940	--	5
2,6-Dinitrotoluene	ND		ug/kg	940	--	5
4-Chlorophenyl phenyl ether	ND		ug/kg	940	--	5
4-Bromophenyl phenyl ether	ND		ug/kg	940	--	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	940	--	5
Bis(2-chloroethoxy)methane	ND		ug/kg	940	--	5
Hexachlorocyclopentadiene	ND		ug/kg	1900	--	5
Isophorone	ND		ug/kg	940	--	5
Nitrobenzene	ND		ug/kg	940	--	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	2800	--	5
n-Nitrosodi-n-propylamine	ND		ug/kg	940	--	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	1900	--	5
Butyl benzyl phthalate	4600		ug/kg	940	--	5
Di-n-butylphthalate	ND		ug/kg	940	--	5
Di-n-octylphthalate	3800		ug/kg	940	--	5
Diethyl phthalate	ND		ug/kg	940	--	5
Dimethyl phthalate	ND		ug/kg	940	--	5
Biphenyl	ND		ug/kg	940	--	5
4-Chloroaniline	ND		ug/kg	940	--	5
2-Nitroaniline	ND		ug/kg	940	--	5
3-Nitroaniline	ND		ug/kg	940	--	5
4-Nitroaniline	ND		ug/kg	1300	--	5
Dibenzofuran	ND		ug/kg	940	--	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	3800	--	5

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-05 D Date Collected: 02/17/11 11:25

Client ID: SB-13(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	3800	--	5
2,4,6-Trichlorophenol	ND		ug/kg	940	--	5
P-Chloro-M-Cresol	ND		ug/kg	940	--	5
2-Chlorophenol	ND		ug/kg	1100	--	5
2,4-Dichlorophenol	ND		ug/kg	1900	--	5
2,4-Dimethylphenol	ND		ug/kg	940	--	5
2-Nitrophenol	ND		ug/kg	3800	--	5
4-Nitrophenol	ND		ug/kg	1900	--	5
2,4-Dinitrophenol	ND		ug/kg	3800	--	5
4,6-Dinitro-o-cresol	ND		ug/kg	3800	--	5
Phenol	ND		ug/kg	1300	--	5
2-Methylphenol	ND		ug/kg	1100	--	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	--	5
2,4,5-Trichlorophenol	ND		ug/kg	940	--	5
Benzoic Acid	ND		ug/kg	9400	--	5
Benzyl Alcohol	ND		ug/kg	1900	--	5
Carbazole	ND		ug/kg	940	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	25		0-136
4-Terphenyl-d14	66		18-120

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-05 D	Date Collected:	02/17/11 11:25
Client ID:	SB-13(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/21/11 22:28
Analytical Date:	02/23/11 16:00		
Analyst:	AS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	150	--	20
2-Chloronaphthalene	ND		ug/kg	150	--	20
Fluoranthene	2400		ug/kg	150	--	20
Hexachlorobutadiene	ND		ug/kg	380	--	20
Naphthalene	ND		ug/kg	150	--	20
Benzo(a)anthracene	1400		ug/kg	150	--	20
Benzo(a)pyrene	1400		ug/kg	150	--	20
Benzo(b)fluoranthene	1900		ug/kg	150	--	20
Benzo(k)fluoranthene	580		ug/kg	150	--	20
Chrysene	1300		ug/kg	150	--	20
Acenaphthylene	410		ug/kg	150	--	20
Anthracene	360		ug/kg	150	--	20
Benzo(ghi)perylene	980		ug/kg	150	--	20
Fluorene	ND		ug/kg	150	--	20
Phenanthrene	1300		ug/kg	150	--	20
Dibenzo(a,h)anthracene	450		ug/kg	150	--	20
Indeno(1,2,3-cd)Pyrene	950		ug/kg	150	--	20
Pyrene	2300		ug/kg	150	--	20
2-Methylnaphthalene	ND		ug/kg	150	--	20
Pentachlorophenol	ND		ug/kg	600	--	20
Hexachlorobenzene	ND		ug/kg	600	--	20
Hexachloroethane	ND		ug/kg	600	--	20

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-05	D	Date Collected:	02/17/11 11:25
Client ID:	SB-13(0-2)		Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-06 D	Date Collected:	02/17/11 11:35
Client ID:	SB-14(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/21/11 22:21
Analytical Date:	02/23/11 14:11		
Analyst:	JB		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	960	--	5
Bis(2-chloroethyl)ether	ND		ug/kg	960	--	5
1,2-Dichlorobenzene	ND		ug/kg	960	--	5
1,3-Dichlorobenzene	ND		ug/kg	960	--	5
1,4-Dichlorobenzene	ND		ug/kg	960	--	5
3,3'-Dichlorobenzidine	ND		ug/kg	1900	--	5
2,4-Dinitrotoluene	ND		ug/kg	960	--	5
2,6-Dinitrotoluene	ND		ug/kg	960	--	5
4-Chlorophenyl phenyl ether	ND		ug/kg	960	--	5
4-Bromophenyl phenyl ether	ND		ug/kg	960	--	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	960	--	5
Bis(2-chloroethoxy)methane	ND		ug/kg	960	--	5
Hexachlorocyclopentadiene	ND		ug/kg	1900	--	5
Isophorone	ND		ug/kg	960	--	5
Nitrobenzene	ND		ug/kg	960	--	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	2900	--	5
n-Nitrosodi-n-propylamine	ND		ug/kg	960	--	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	1900	--	5
Butyl benzyl phthalate	ND		ug/kg	960	--	5
Di-n-butylphthalate	ND		ug/kg	960	--	5
Di-n-octylphthalate	ND		ug/kg	960	--	5
Diethyl phthalate	ND		ug/kg	960	--	5
Dimethyl phthalate	ND		ug/kg	960	--	5
Biphenyl	ND		ug/kg	960	--	5
4-Chloroaniline	ND		ug/kg	960	--	5
2-Nitroaniline	ND		ug/kg	960	--	5
3-Nitroaniline	ND		ug/kg	960	--	5
4-Nitroaniline	ND		ug/kg	1300	--	5
Dibenzofuran	ND		ug/kg	960	--	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	3800	--	5

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-06 D Date Collected: 02/17/11 11:35

Client ID: SB-14(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	3800	--	5
2,4,6-Trichlorophenol	ND		ug/kg	960	--	5
P-Chloro-M-Cresol	ND		ug/kg	960	--	5
2-Chlorophenol	ND		ug/kg	1200	--	5
2,4-Dichlorophenol	ND		ug/kg	1900	--	5
2,4-Dimethylphenol	ND		ug/kg	960	--	5
2-Nitrophenol	ND		ug/kg	3800	--	5
4-Nitrophenol	ND		ug/kg	1900	--	5
2,4-Dinitrophenol	ND		ug/kg	3800	--	5
4,6-Dinitro-o-cresol	ND		ug/kg	3800	--	5
Phenol	ND		ug/kg	1300	--	5
2-Methylphenol	ND		ug/kg	1200	--	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1200	--	5
2,4,5-Trichlorophenol	ND		ug/kg	960	--	5
Benzoic Acid	ND		ug/kg	9600	--	5
Benzyl Alcohol	ND		ug/kg	1900	--	5
Carbazole	ND		ug/kg	960	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	51		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	70		0-136
4-Terphenyl-d14	56		18-120

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-06 D	Date Collected:	02/17/11 11:35
Client ID:	SB-14(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/21/11 22:28
Analytical Date:	02/24/11 16:39		
Analyst:	AS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	680		ug/kg	150	--	20
2-Chloronaphthalene	ND		ug/kg	150	--	20
Fluoranthene	13000		ug/kg	150	--	20
Hexachlorobutadiene	ND		ug/kg	380	--	20
Naphthalene	410		ug/kg	150	--	20
Benzo(a)anthracene	7100		ug/kg	150	--	20
Benzo(a)pyrene	4700		ug/kg	150	--	20
Benzo(b)fluoranthene	5400		ug/kg	150	--	20
Benzo(k)fluoranthene	2500		ug/kg	150	--	20
Chrysene	5800		ug/kg	150	--	20
Acenaphthylene	ND		ug/kg	150	--	20
Anthracene	2700		ug/kg	150	--	20
Benzo(ghi)perylene	3100		ug/kg	150	--	20
Fluorene	840		ug/kg	150	--	20
Phenanthrene	10000		ug/kg	150	--	20
Dibenzo(a,h)anthracene	1200		ug/kg	150	--	20
Indeno(1,2,3-cd)Pyrene	2600		ug/kg	150	--	20
Pyrene	13000		ug/kg	150	--	20
2-Methylnaphthalene	200		ug/kg	150	--	20
Pentachlorophenol	ND		ug/kg	620	--	20
Hexachlorobenzene	ND		ug/kg	620	--	20
Hexachloroethane	ND		ug/kg	620	--	20

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-06	D	Date Collected:	02/17/11 11:35
Client ID:	SB-14(0-2)		Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	0		0-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-07	Date Collected:	02/17/11 12:00
Client ID:	SB-15(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/21/11 22:21
Analytical Date:	02/23/11 14:36		
Analyst:	JB		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	360	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	180	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--	1
Hexachlorocyclopentadiene	ND		ug/kg	360	--	1
Isophorone	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	180	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	540	--	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Biphenyl	ND		ug/kg	180	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
2-Nitroaniline	ND		ug/kg	180	--	1
3-Nitroaniline	ND		ug/kg	180	--	1
4-Nitroaniline	ND		ug/kg	250	--	1
Dibenzofuran	ND		ug/kg	180	--	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	710	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-07	Date Collected:	02/17/11 12:00
Client ID:	SB-15(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/kg	710	--	1
2,4,6-Trichlorophenol	ND		ug/kg	180	--	1
P-Chloro-M-Cresol	ND		ug/kg	180	--	1
2-Chlorophenol	ND		ug/kg	210	--	1
2,4-Dichlorophenol	ND		ug/kg	360	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	710	--	1
4-Nitrophenol	ND		ug/kg	360	--	1
2,4-Dinitrophenol	ND		ug/kg	710	--	1
4,6-Dinitro-o-cresol	ND		ug/kg	710	--	1
Phenol	ND		ug/kg	250	--	1
2-Methylphenol	ND		ug/kg	210	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	210	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Benzoic Acid	ND		ug/kg	1800	--	1
Benzyl Alcohol	ND		ug/kg	360	--	1
Carbazole	ND		ug/kg	180	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	72		0-136
4-Terphenyl-d14	85		18-120

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160
Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-07	Date Collected:	02/17/11 12:00
Client ID:	SB-15(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270C	Extraction Date:	02/21/11 22:28
Analytical Date:	02/23/11 16:51		
Analyst:	AS		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/kg	7.1	--	1
2-Chloronaphthalene	ND		ug/kg	7.1	--	1
Fluoranthene	ND		ug/kg	7.1	--	1
Hexachlorobutadiene	ND		ug/kg	18	--	1
Naphthalene	ND		ug/kg	7.1	--	1
Benzo(a)anthracene	ND		ug/kg	7.1	--	1
Benzo(a)pyrene	ND		ug/kg	7.1	--	1
Benzo(b)fluoranthene	ND		ug/kg	7.1	--	1
Benzo(k)fluoranthene	ND		ug/kg	7.1	--	1
Chrysene	ND		ug/kg	7.1	--	1
Acenaphthylene	ND		ug/kg	7.1	--	1
Anthracene	ND		ug/kg	7.1	--	1
Benzo(ghi)perylene	ND		ug/kg	7.1	--	1
Fluorene	ND		ug/kg	7.1	--	1
Phenanthrene	ND		ug/kg	7.1	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	7.1	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	7.1	--	1
Pyrene	ND		ug/kg	7.1	--	1
2-Methylnaphthalene	ND		ug/kg	7.1	--	1
Pentachlorophenol	ND		ug/kg	28	--	1
Hexachlorobenzene	ND		ug/kg	28	--	1
Hexachloroethane	ND		ug/kg	28	--	1

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-07	Date Collected:	02/17/11 12:00
Client ID:	SB-15(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	96		0-136
4-Terphenyl-d14	75		18-120

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 02/23/11 10:40
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 02/21/11 22:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-07 Batch: WG455913-1					
Acenaphthene	ND		ug/kg	170	--
1,2,4-Trichlorobenzene	ND		ug/kg	170	--
Hexachlorobenzene	ND		ug/kg	170	--
Bis(2-chloroethyl)ether	ND		ug/kg	170	--
2-Chloronaphthalene	ND		ug/kg	200	--
1,2-Dichlorobenzene	ND		ug/kg	170	--
1,3-Dichlorobenzene	ND		ug/kg	170	--
1,4-Dichlorobenzene	ND		ug/kg	170	--
3,3'-Dichlorobenzidine	ND		ug/kg	330	--
2,4-Dinitrotoluene	ND		ug/kg	170	--
2,6-Dinitrotoluene	ND		ug/kg	170	--
Fluoranthene	ND		ug/kg	170	--
4-Chlorophenyl phenyl ether	ND		ug/kg	170	--
4-Bromophenyl phenyl ether	ND		ug/kg	170	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	170	--
Bis(2-chloroethoxy)methane	ND		ug/kg	170	--
Hexachlorobutadiene	ND		ug/kg	330	--
Hexachlorocyclopentadiene	ND		ug/kg	330	--
Hexachloroethane	ND		ug/kg	170	--
Isophorone	ND		ug/kg	170	--
Naphthalene	ND		ug/kg	170	--
Nitrobenzene	ND		ug/kg	170	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	500	--
n-Nitrosodi-n-propylamine	ND		ug/kg	170	--
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	330	--
Butyl benzyl phthalate	ND		ug/kg	170	--
Di-n-butylphthalate	ND		ug/kg	170	--
Di-n-octylphthalate	ND		ug/kg	170	--
Diethyl phthalate	ND		ug/kg	170	--
Dimethyl phthalate	ND		ug/kg	170	--

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 02/23/11 10:40
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 02/21/11 22:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-07 Batch: WG455913-1					
Benzo(a)anthracene	ND		ug/kg	170	--
Benzo(a)pyrene	ND		ug/kg	170	--
Benzo(b)fluoranthene	ND		ug/kg	170	--
Benzo(k)fluoranthene	ND		ug/kg	170	--
Chrysene	ND		ug/kg	170	--
Acenaphthylene	ND		ug/kg	170	--
Anthracene	ND		ug/kg	170	--
Benzo(ghi)perylene	ND		ug/kg	170	--
Fluorene	ND		ug/kg	170	--
Phenanthrene	ND		ug/kg	170	--
Dibenzo(a,h)anthracene	ND		ug/kg	100	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	--
Pyrene	ND		ug/kg	170	--
Biphenyl	ND		ug/kg	170	--
4-Chloroaniline	ND		ug/kg	170	--
2-Nitroaniline	ND		ug/kg	170	--
3-Nitroaniline	ND		ug/kg	170	--
4-Nitroaniline	ND		ug/kg	230	--
Dibenzofuran	ND		ug/kg	170	--
2-Methylnaphthalene	ND		ug/kg	170	--
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	670	--
Acetophenone	ND		ug/kg	670	--
2,4,6-Trichlorophenol	ND		ug/kg	170	--
P-Chloro-M-Cresol	ND		ug/kg	170	--
2-Chlorophenol	ND		ug/kg	200	--
2,4-Dichlorophenol	ND		ug/kg	330	--
2,4-Dimethylphenol	ND		ug/kg	170	--
2-Nitrophenol	ND		ug/kg	670	--
4-Nitrophenol	ND		ug/kg	330	--
2,4-Dinitrophenol	ND		ug/kg	670	--

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 02/23/11 10:40
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 02/21/11 22:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-07 Batch: WG455913-1					
4,6-Dinitro-o-cresol	ND		ug/kg	670	--
Pentachlorophenol	ND		ug/kg	670	--
Phenol	ND		ug/kg	230	--
2-Methylphenol	ND		ug/kg	200	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	200	--
2,4,5-Trichlorophenol	ND		ug/kg	170	--
Benzoic Acid	ND		ug/kg	1700	--
Benzyl Alcohol	ND		ug/kg	330	--
Carbazole	ND		ug/kg	170	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	79		0-136
4-Terphenyl-d14	89		18-120

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 02/23/11 09:55
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 02/21/11 22:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03,05-07 Batch: WG455914-1					
Acenaphthene	ND		ug/kg	6.7	--
2-Chloronaphthalene	ND		ug/kg	6.7	--
Fluoranthene	ND		ug/kg	6.7	--
Hexachlorobutadiene	ND		ug/kg	17	--
Naphthalene	ND		ug/kg	6.7	--
Benzo(a)anthracene	ND		ug/kg	6.7	--
Benzo(a)pyrene	ND		ug/kg	6.7	--
Benzo(b)fluoranthene	ND		ug/kg	6.7	--
Benzo(k)fluoranthene	ND		ug/kg	6.7	--
Chrysene	ND		ug/kg	6.7	--
Acenaphthylene	ND		ug/kg	6.7	--
Anthracene	ND		ug/kg	6.7	--
Benzo(ghi)perylene	ND		ug/kg	6.7	--
Fluorene	ND		ug/kg	6.7	--
Phenanthrene	ND		ug/kg	6.7	--
Dibenzo(a,h)anthracene	ND		ug/kg	6.7	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	6.7	--
Pyrene	ND		ug/kg	6.7	--
2-Methylnaphthalene	ND		ug/kg	6.7	--
Pentachlorophenol	ND		ug/kg	27	--
Hexachlorobenzene	ND		ug/kg	27	--
Hexachloroethane	ND		ug/kg	27	--

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 02/23/11 09:55
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 02/21/11 22:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03,05-07 Batch: WG455914-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	78		0-136
4-Terphenyl-d14	97		18-120

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 02/25/11 07:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 02/24/11 12:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG456295-1					
Acenaphthene	ND		ug/kg	170	--
1,2,4-Trichlorobenzene	ND		ug/kg	170	--
Hexachlorobenzene	ND		ug/kg	170	--
Bis(2-chloroethyl)ether	ND		ug/kg	170	--
2-Chloronaphthalene	ND		ug/kg	200	--
1,2-Dichlorobenzene	ND		ug/kg	170	--
1,3-Dichlorobenzene	ND		ug/kg	170	--
1,4-Dichlorobenzene	ND		ug/kg	170	--
3,3'-Dichlorobenzidine	ND		ug/kg	330	--
2,4-Dinitrotoluene	ND		ug/kg	170	--
2,6-Dinitrotoluene	ND		ug/kg	170	--
Fluoranthene	ND		ug/kg	170	--
4-Chlorophenyl phenyl ether	ND		ug/kg	170	--
4-Bromophenyl phenyl ether	ND		ug/kg	170	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	170	--
Bis(2-chloroethoxy)methane	ND		ug/kg	170	--
Hexachlorobutadiene	ND		ug/kg	330	--
Hexachlorocyclopentadiene	ND		ug/kg	330	--
Hexachloroethane	ND		ug/kg	170	--
Isophorone	ND		ug/kg	170	--
Naphthalene	ND		ug/kg	170	--
Nitrobenzene	ND		ug/kg	170	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	500	--
n-Nitrosodi-n-propylamine	ND		ug/kg	170	--
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	330	--
Butyl benzyl phthalate	ND		ug/kg	170	--
Di-n-butylphthalate	ND		ug/kg	170	--
Di-n-octylphthalate	ND		ug/kg	170	--
Diethyl phthalate	ND		ug/kg	170	--
Dimethyl phthalate	ND		ug/kg	170	--
Benzo(a)anthracene	ND		ug/kg	170	--

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 02/25/11 07:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 02/24/11 12:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG456295-1					
Benzo(a)pyrene	ND		ug/kg	170	--
Benzo(b)fluoranthene	ND		ug/kg	170	--
Benzo(k)fluoranthene	ND		ug/kg	170	--
Chrysene	ND		ug/kg	170	--
Acenaphthylene	ND		ug/kg	170	--
Anthracene	ND		ug/kg	170	--
Benzo(ghi)perylene	ND		ug/kg	170	--
Fluorene	ND		ug/kg	170	--
Phenanthrene	ND		ug/kg	170	--
Dibenzo(a,h)anthracene	ND		ug/kg	100	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	--
Pyrene	ND		ug/kg	170	--
Biphenyl	ND		ug/kg	170	--
4-Chloroaniline	ND		ug/kg	170	--
2-Nitroaniline	ND		ug/kg	170	--
3-Nitroaniline	ND		ug/kg	170	--
4-Nitroaniline	ND		ug/kg	230	--
Dibenzofuran	ND		ug/kg	170	--
2-Methylnaphthalene	ND		ug/kg	170	--
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	670	--
Acetophenone	ND		ug/kg	670	--
2,4,6-Trichlorophenol	ND		ug/kg	170	--
P-Chloro-M-Cresol	ND		ug/kg	170	--
2-Chlorophenol	ND		ug/kg	200	--
2,4-Dichlorophenol	ND		ug/kg	330	--
2,4-Dimethylphenol	ND		ug/kg	170	--
2-Nitrophenol	ND		ug/kg	670	--
4-Nitrophenol	ND		ug/kg	330	--
2,4-Dinitrophenol	ND		ug/kg	670	--
4,6-Dinitro-o-cresol	ND		ug/kg	670	--
Pentachlorophenol	ND		ug/kg	670	--

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 02/25/11 07:53
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 02/24/11 12:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG456295-1					
Phenol	ND		ug/kg	230	--
2-Methylphenol	ND		ug/kg	200	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	200	--
2,4,5-Trichlorophenol	ND		ug/kg	170	--
Benzoic Acid	ND		ug/kg	1700	--
Benzyl Alcohol	ND		ug/kg	330	--
Carbazole	ND		ug/kg	170	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	57		0-136
4-Terphenyl-d14	67		18-120

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 02/25/11 10:54
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 02/24/11 12:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04 Batch: WG456296-1					
Acenaphthene	ND		ug/kg	6.7	--
2-Chloronaphthalene	ND		ug/kg	6.7	--
Fluoranthene	ND		ug/kg	6.7	--
Hexachlorobutadiene	ND		ug/kg	17	--
Naphthalene	ND		ug/kg	6.7	--
Benzo(a)anthracene	ND		ug/kg	6.7	--
Benzo(a)pyrene	ND		ug/kg	6.7	--
Benzo(b)fluoranthene	ND		ug/kg	6.7	--
Benzo(k)fluoranthene	ND		ug/kg	6.7	--
Chrysene	ND		ug/kg	6.7	--
Acenaphthylene	ND		ug/kg	6.7	--
Anthracene	ND		ug/kg	6.7	--
Benzo(ghi)perylene	ND		ug/kg	6.7	--
Fluorene	ND		ug/kg	6.7	--
Phenanthrene	ND		ug/kg	6.7	--
Dibenzo(a,h)anthracene	ND		ug/kg	6.7	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	6.7	--
Pyrene	ND		ug/kg	6.7	--
2-Methylnaphthalene	ND		ug/kg	6.7	--
Pentachlorophenol	ND		ug/kg	27	--
Hexachlorobenzene	ND		ug/kg	27	--
Hexachloroethane	ND		ug/kg	27	--

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270C
Analytical Date: 02/25/11 10:54
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 02/24/11 12:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04 Batch: WG456296-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	70		0-136
4-Terphenyl-d14	85		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG455913-2 WG455913-3								
Acenaphthene	64		70		31-137	9		50
1,2,4-Trichlorobenzene	59		68		38-107	14		50
2-Chloronaphthalene	79		83		40-140	5		50
1,2-Dichlorobenzene	60		73		40-140	20		50
1,4-Dichlorobenzene	61		71		28-104	15		50
2,4-Dinitrotoluene	75		80		28-89	6		50
2,6-Dinitrotoluene	78		70		40-140	11		50
Fluoranthene	78		78		40-140	0		50
4-Chlorophenyl phenyl ether	75		77		40-140	3		50
n-Nitrosodi-n-propylamine	63		78		41-126	21		50
Butyl benzyl phthalate	80		83		40-140	4		50
Anthracene	78		79		40-140	1		50
Pyrene	78		80		35-142	3		50
P-Chloro-M-Cresol	80		80		26-103	0		50
2-Chlorophenol	63		77		25-102	20		50
2-Nitrophenol	64		78		30-130	20		50
4-Nitrophenol	69		72		11-114	4		50
2,4-Dinitrophenol	32		40		4-130	22		50
Pentachlorophenol	62		60		17-109	3		50
Phenol	60		76		26-90	24		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY

Project Number: 11160

Lab Number: L1102299

Report Date: 02/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG455913-2 WG455913-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		74		25-120
Phenol-d6	60		83		10-120
Nitrobenzene-d5	56		75		23-120
2-Fluorobiphenyl	64		77		30-120
2,4,6-Tribromophenol	76		86		0-136
4-Terphenyl-d14	78		85		18-120

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG455914-2 WG455914-3

Acenaphthene	81		72		31-137	12	50
2-Chloronaphthalene	**142**	Q	123		40-140	14	50
Fluoranthene	94		87		40-140	8	50
Anthracene	95		85		40-140	11	50
Pyrene	90		83		35-142	8	50
Pentachlorophenol	86		82		17-109	5	50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160
Lab Number: L1102299
Report Date: 02/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03,05-07 Batch: WG455914-2 WG455914-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		66		25-120
Phenol-d6	77		66		10-120
Nitrobenzene-d5	85		74		23-120
2-Fluorobiphenyl	86		78		30-120
2,4,6-Tribromophenol	88		80		0-136
4-Terphenyl-d14	97		90		18-120

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG456295-2 WG456295-3

Acenaphthene	87		78		31-137	11		50
1,2,4-Trichlorobenzene	82		77		38-107	6		50
2-Chloronaphthalene	100		91		40-140	9		50
1,2-Dichlorobenzene	77		72		40-140	7		50
1,4-Dichlorobenzene	80		76		28-104	5		50
2,4-Dinitrotoluene	**101**	Q	**92**	Q	28-89	9		50
2,6-Dinitrotoluene	93		85		40-140	9		50
Fluoranthene	98		91		40-140	7		50
4-Chlorophenyl phenyl ether	95		85		40-140	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160
Lab Number: L1102299
Report Date: 02/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG456295-2 WG456295-3								
n-Nitrosodi-n-propylamine	77		72		41-126	7		50
Butyl benzyl phthalate	93		84		40-140	10		50
Anthracene	94		86		40-140	9		50
Pyrene	95		88		35-142	8		50
P-Chloro-M-Cresol	102		92		26-103	10		50
2-Chlorophenol	88		81		25-102	8		50
2-Nitrophenol	85		78		30-130	9		50
4-Nitrophenol	97		87		11-114	11		50
2,4-Dinitrophenol	62		57		4-130	8		50
Pentachlorophenol	77		70		17-109	10		50
Phenol	83		79		26-90	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	84		79		25-120
Phenol-d6	86		79		10-120
Nitrobenzene-d5	82		75		23-120
2-Fluorobiphenyl	92		84		30-120
2,4,6-Tribromophenol	103		95		0-136
4-Terphenyl-d14	100		93		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY

Project Number: 11160

Lab Number: L1102299

Report Date: 02/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04 Batch: WG456296-2 WG456296-3								
Acenaphthene	90		87		31-137	3		50
2-Chloronaphthalene	**192**	Q	**186**	Q	40-140	3		50
Fluoranthene	102		103		40-140	1		50
Anthracene	108		101		40-140	7		50
Pyrene	96		97		35-142	1		50
Pentachlorophenol	98		98		17-109	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	88		86		25-120
Phenol-d6	96		82		10-120
Nitrobenzene-d5	97		97		23-120
2-Fluorobiphenyl	103		100		30-120
2,4,6-Tribromophenol	100		97		0-136
4-Terphenyl-d14	116		121	Q	18-120

PCBS

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160
Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-01	Date Collected:	02/17/11 09:20
Client ID:	SB-9(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	02/23/11 13:41
Analytical Date:	02/24/11 09:27	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	02/24/11
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/24/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.8	--	1
Aroclor 1221	ND		ug/kg	38.8	--	1
Aroclor 1232	ND		ug/kg	38.8	--	1
Aroclor 1242	ND		ug/kg	38.8	--	1
Aroclor 1248	ND		ug/kg	38.8	--	1
Aroclor 1254	ND		ug/kg	38.8	--	1
Aroclor 1260	ND		ug/kg	38.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	66		30-150
Decachlorobiphenyl	64		30-150
2,4,5,6-Tetrachloro-m-xylene	78		30-150
Decachlorobiphenyl	80		30-150

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160
Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-02	Date Collected:	02/17/11 09:30
Client ID:	SB-10(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	02/23/11 13:41
Analytical Date:	02/24/11 09:41	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	02/24/11
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/24/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	40.8	--	1
Aroclor 1221	ND		ug/kg	40.8	--	1
Aroclor 1232	ND		ug/kg	40.8	--	1
Aroclor 1242	ND		ug/kg	40.8	--	1
Aroclor 1248	ND		ug/kg	40.8	--	1
Aroclor 1254	ND		ug/kg	40.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	74		30-150
Decachlorobiphenyl	100		30-150
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	125		30-150

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-02	Date Collected:	02/17/11 09:30
Client ID:	SB-10(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	02/23/11 13:41
Analytical Date:	02/24/11 09:41	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	02/24/11
Percent Solids:	83%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/24/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1260	188		ug/kg	40.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	74		30-150
Decachlorobiphenyl	100		30-150
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	125		30-150

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160
Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-03	Date Collected:	02/17/11 10:10
Client ID:	SB-11(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	02/23/11 13:41
Analytical Date:	02/24/11 09:54	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	02/24/11
Percent Solids:	85%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/24/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.1	--	1
Aroclor 1221	ND		ug/kg	37.1	--	1
Aroclor 1232	ND		ug/kg	37.1	--	1
Aroclor 1242	619		ug/kg	37.1	--	1
Aroclor 1248	ND		ug/kg	37.1	--	1
Aroclor 1254	ND		ug/kg	37.1	--	1
Aroclor 1260	ND		ug/kg	37.1	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	74		30-150
Decachlorobiphenyl	76		30-150
2,4,5,6-Tetrachloro-m-xylene	82		30-150
Decachlorobiphenyl	85		30-150

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160
Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-04	Date Collected:	02/17/11 10:35
Client ID:	SB-12(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	02/23/11 13:41
Analytical Date:	02/24/11 10:07	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	02/24/11
Percent Solids:	86%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/24/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.3	--	1
Aroclor 1221	ND		ug/kg	38.3	--	1
Aroclor 1232	ND		ug/kg	38.3	--	1
Aroclor 1242	ND		ug/kg	38.3	--	1
Aroclor 1248	ND		ug/kg	38.3	--	1
Aroclor 1254	ND		ug/kg	38.3	--	1
Aroclor 1260	ND		ug/kg	38.3	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	89		30-150
Decachlorobiphenyl	80		30-150
2,4,5,6-Tetrachloro-m-xylene	120		30-150
Decachlorobiphenyl	109		30-150

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160
Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-05	Date Collected:	02/17/11 11:25
Client ID:	SB-13(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	02/23/11 13:41
Analytical Date:	02/24/11 10:20	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	02/24/11
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/24/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.0	--	1
Aroclor 1221	ND		ug/kg	36.0	--	1
Aroclor 1232	ND		ug/kg	36.0	--	1
Aroclor 1242	ND		ug/kg	36.0	--	1
Aroclor 1248	ND		ug/kg	36.0	--	1
Aroclor 1254	ND		ug/kg	36.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	84		30-150
Decachlorobiphenyl	91		30-150
2,4,5,6-Tetrachloro-m-xylene	111		30-150
Decachlorobiphenyl	119		30-150

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-05	Date Collected:	02/17/11 11:25
Client ID:	SB-13(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	02/23/11 13:41
Analytical Date:	02/24/11 10:20	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	02/24/11
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/24/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1260	39.1		ug/kg	36.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	84		30-150
Decachlorobiphenyl	91		30-150
2,4,5,6-Tetrachloro-m-xylene	111		30-150
Decachlorobiphenyl	119		30-150

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-06	Date Collected:	02/17/11 11:35
Client ID:	SB-14(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	02/23/11 13:41
Analytical Date:	02/24/11 10:34	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	02/24/11
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/24/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.8	--	1
Aroclor 1221	ND		ug/kg	37.8	--	1
Aroclor 1232	ND		ug/kg	37.8	--	1
Aroclor 1242	ND		ug/kg	37.8	--	1
Aroclor 1248	ND		ug/kg	37.8	--	1
Aroclor 1254	ND		ug/kg	37.8	--	1
Aroclor 1260	ND		ug/kg	37.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	63		30-150
Decachlorobiphenyl	93		30-150
2,4,5,6-Tetrachloro-m-xylene	77		30-150
Decachlorobiphenyl	120		30-150

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160
Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-07	Date Collected:	02/17/11 12:00
Client ID:	SB-15(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082	Extraction Date:	02/23/11 13:41
Analytical Date:	02/24/11 10:47	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	02/24/11
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/24/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	35.2	--	1
Aroclor 1221	ND		ug/kg	35.2	--	1
Aroclor 1232	ND		ug/kg	35.2	--	1
Aroclor 1242	ND		ug/kg	35.2	--	1
Aroclor 1248	ND		ug/kg	35.2	--	1
Aroclor 1254	ND		ug/kg	35.2	--	1
Aroclor 1260	ND		ug/kg	35.2	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	75		30-150
2,4,5,6-Tetrachloro-m-xylene	116		30-150
Decachlorobiphenyl	105		30-150

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 02/24/11 11:00
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 02/23/11 13:41
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/24/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/24/11

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG456146-1					
Aroclor 1016	ND		ug/kg	33.3	--
Aroclor 1221	ND		ug/kg	33.3	--
Aroclor 1232	ND		ug/kg	33.3	--
Aroclor 1242	ND		ug/kg	33.3	--
Aroclor 1248	ND		ug/kg	33.3	--
Aroclor 1254	ND		ug/kg	33.3	--
Aroclor 1260	ND		ug/kg	33.3	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	87		30-150
Decachlorobiphenyl	75		30-150
2,4,5,6-Tetrachloro-m-xylene	108		30-150
Decachlorobiphenyl	93		30-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY

Project Number: 11160

Lab Number: L1102299

Report Date: 02/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG456146-2 WG456146-3								
Aroclor 1016	114		109		40-140	4		50
Aroclor 1260	96		83		40-140	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	96		94		30-150
Decachlorobiphenyl	87		90		30-150
2,4,5,6-Tetrachloro-m-xylene	121		122		30-150
Decachlorobiphenyl	105		107		30-150

PESTICIDES

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-01 D	Date Collected:	02/17/11 09:20
Client ID:	SB-9(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	02/21/11 14:58
Analytical Date:	02/25/11 07:49	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/23/11
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	18.8	--	10
Lindane	ND		ug/kg	7.83	--	10
Alpha-BHC	ND		ug/kg	7.83	--	10
Beta-BHC	ND		ug/kg	18.8	--	10
Heptachlor	ND		ug/kg	9.39	--	10
Aldrin	ND		ug/kg	18.8	--	10
Heptachlor epoxide	ND		ug/kg	35.2	--	10
Endrin	ND		ug/kg	7.83	--	10
Endrin ketone	ND		ug/kg	18.8	--	10
Dieldrin	ND		ug/kg	11.7	--	10
4,4'-DDE	ND		ug/kg	18.8	--	10
4,4'-DDD	ND		ug/kg	18.8	--	10
4,4'-DDT	ND		ug/kg	35.2	--	10
Endosulfan I	ND		ug/kg	18.8	--	10
Endosulfan II	ND		ug/kg	18.8	--	10
Endosulfan sulfate	ND		ug/kg	7.83	--	10
Methoxychlor	ND		ug/kg	35.2	--	10
Toxaphene	ND		ug/kg	352	--	10
trans-Chlordane	ND		ug/kg	23.5	--	10
Chlordane	ND		ug/kg	153	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-02 D	Date Collected:	02/17/11 09:30
Client ID:	SB-10(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	02/21/11 14:58
Analytical Date:	02/25/11 08:02	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/23/11
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	19.7	--	10
Lindane	ND		ug/kg	8.21	--	10
Alpha-BHC	ND		ug/kg	8.21	--	10
Beta-BHC	ND		ug/kg	19.7	--	10
Heptachlor	ND		ug/kg	9.85	--	10
Aldrin	ND		ug/kg	19.7	--	10
Heptachlor epoxide	ND		ug/kg	36.9	--	10
Endrin	ND		ug/kg	8.21	--	10
Endrin ketone	ND		ug/kg	19.7	--	10
Dieldrin	ND		ug/kg	12.3	--	10
4,4'-DDE	ND		ug/kg	19.7	--	10
4,4'-DDD	ND		ug/kg	19.7	--	10
Endosulfan I	ND		ug/kg	19.7	--	10
Endosulfan II	ND		ug/kg	19.7	--	10
Endosulfan sulfate	ND		ug/kg	8.21	--	10
Methoxychlor	ND		ug/kg	36.9	--	10
Toxaphene	ND		ug/kg	369	--	10
trans-Chlordane	ND		ug/kg	24.6	--	10
Chlordane	ND		ug/kg	160	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	118		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	142		30-150	B

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-02 D	Date Collected:	02/17/11 09:30
Client ID:	SB-10(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	02/21/11 14:58
Analytical Date:	02/25/11 08:02	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/23/11
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDT	47.6		ug/kg	36.9	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	118		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	142		30-150	B

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-03 D	Date Collected:	02/17/11 10:10
Client ID:	SB-11(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	02/21/11 14:58
Analytical Date:	02/25/11 08:15	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/23/11
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	19.2	--	10
Lindane	ND		ug/kg	8.01	--	10
Alpha-BHC	ND		ug/kg	8.01	--	10
Beta-BHC	ND		ug/kg	19.2	--	10
Heptachlor	ND		ug/kg	9.62	--	10
Aldrin	ND		ug/kg	19.2	--	10
Heptachlor epoxide	ND		ug/kg	36.1	--	10
Endrin	ND		ug/kg	8.01	--	10
Endrin ketone	ND		ug/kg	19.2	--	10
4,4'-DDE	19.4		ug/kg	19.2	--	10
4,4'-DDT	85.2		ug/kg	36.1	--	10
Endosulfan I	ND		ug/kg	19.2	--	10
Endosulfan II	ND		ug/kg	19.2	--	10
Endosulfan sulfate	ND		ug/kg	8.01	--	10
Methoxychlor	ND		ug/kg	36.1	--	10
Toxaphene	ND		ug/kg	361	--	10
trans-Chlordane	ND		ug/kg	24.0	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	123		30-150	B

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-03 D	Date Collected:	02/17/11 10:10
Client ID:	SB-11(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	02/21/11 14:58
Analytical Date:	02/25/11 08:15	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/23/11
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Dieldrin	52.6		ug/kg	12.0	--	10
4,4'-DDD	22.8		ug/kg	19.2	--	10
Chlordane	189		ug/kg	156	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	123		30-150	B

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-04 D	Date Collected:	02/17/11 10:35
Client ID:	SB-12(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	02/21/11 14:58
Analytical Date:	02/25/11 08:28	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/23/11
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	18.8	--	10
Lindane	ND		ug/kg	7.85	--	10
Alpha-BHC	ND		ug/kg	7.85	--	10
Beta-BHC	ND		ug/kg	18.8	--	10
Heptachlor	ND		ug/kg	9.42	--	10
Aldrin	ND		ug/kg	18.8	--	10
Heptachlor epoxide	ND		ug/kg	35.3	--	10
Endrin	ND		ug/kg	7.85	--	10
Endrin ketone	ND		ug/kg	18.8	--	10
Dieldrin	ND		ug/kg	11.8	--	10
4,4'-DDE	ND		ug/kg	18.8	--	10
4,4'-DDT	54.3		ug/kg	35.3	--	10
Endosulfan I	ND		ug/kg	18.8	--	10
Endosulfan II	ND		ug/kg	18.8	--	10
Endosulfan sulfate	ND		ug/kg	7.85	--	10
Methoxychlor	ND		ug/kg	35.3	--	10
Toxaphene	ND		ug/kg	353	--	10
trans-Chlordane	ND		ug/kg	23.6	--	10
Chlordane	ND		ug/kg	153	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-04 D	Date Collected:	02/17/11 10:35
Client ID:	SB-12(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	02/21/11 14:58
Analytical Date:	02/25/11 08:28	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/23/11
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
4,4'-DDD	ND		ug/kg	18.8	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-05 D	Date Collected:	02/17/11 11:25
Client ID:	SB-13(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	02/21/11 14:58
Analytical Date:	02/25/11 08:41	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/23/11
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	18.5	--	10
Lindane	ND		ug/kg	7.70	--	10
Alpha-BHC	ND		ug/kg	7.70	--	10
Beta-BHC	ND		ug/kg	18.5	--	10
Heptachlor	ND		ug/kg	9.24	--	10
Aldrin	ND		ug/kg	18.5	--	10
Heptachlor epoxide	ND		ug/kg	34.7	--	10
Endrin	ND		ug/kg	7.70	--	10
Endrin ketone	ND		ug/kg	18.5	--	10
Dieldrin	ND		ug/kg	11.6	--	10
4,4'-DDE	ND		ug/kg	18.5	--	10
4,4'-DDD	ND		ug/kg	18.5	--	10
4,4'-DDT	ND		ug/kg	34.7	--	10
Endosulfan I	ND		ug/kg	18.5	--	10
Endosulfan II	ND		ug/kg	18.5	--	10
Endosulfan sulfate	ND		ug/kg	7.70	--	10
Methoxychlor	ND		ug/kg	34.7	--	10
Toxaphene	ND		ug/kg	347	--	10
trans-Chlordane	ND		ug/kg	23.1	--	10
Chlordane	ND		ug/kg	150	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-06 D	Date Collected:	02/17/11 11:35
Client ID:	SB-14(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	02/21/11 14:58
Analytical Date:	02/25/11 08:56	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/23/11
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	19.7	--	10
Lindane	ND		ug/kg	8.22	--	10
Alpha-BHC	ND		ug/kg	8.22	--	10
Beta-BHC	ND		ug/kg	19.7	--	10
Heptachlor	ND		ug/kg	9.86	--	10
Aldrin	ND		ug/kg	19.7	--	10
Heptachlor epoxide	ND		ug/kg	37.0	--	10
Endrin	ND		ug/kg	8.22	--	10
Endrin ketone	ND		ug/kg	19.7	--	10
4,4'-DDE	48.2		ug/kg	19.7	--	10
4,4'-DDT	310		ug/kg	37.0	--	10
Endosulfan I	ND		ug/kg	19.7	--	10
Endosulfan II	ND		ug/kg	19.7	--	10
Endosulfan sulfate	ND		ug/kg	8.22	--	10
Methoxychlor	ND		ug/kg	37.0	--	10
Toxaphene	ND		ug/kg	370	--	10
trans-Chlordane	31.3		ug/kg	24.6	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-06 D	Date Collected:	02/17/11 11:35
Client ID:	SB-14(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	02/21/11 14:58
Analytical Date:	02/25/11 08:56	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/23/11
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Dieldrin	49.7		ug/kg	12.3	--	10
4,4'-DDD	70.2		ug/kg	19.7	--	10
Chlordane	230		ug/kg	160	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID:	L1102299-07	Date Collected:	02/17/11 12:00
Client ID:	SB-15(0-2)	Date Received:	02/18/11
Sample Location:	2477 THIRD AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081A	Extraction Date:	02/21/11 14:58
Analytical Date:	02/24/11 18:50	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	02/23/11
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Organochlorine Pesticides by GC - Westborough Lab						
Delta-BHC	ND		ug/kg	1.70	--	1
Lindane	ND		ug/kg	0.709	--	1
Alpha-BHC	ND		ug/kg	0.709	--	1
Beta-BHC	ND		ug/kg	1.70	--	1
Heptachlor	ND		ug/kg	0.851	--	1
Aldrin	ND		ug/kg	1.70	--	1
Heptachlor epoxide	ND		ug/kg	3.19	--	1
Endrin	ND		ug/kg	0.709	--	1
Endrin ketone	ND		ug/kg	1.70	--	1
Dieldrin	1.48		ug/kg	1.06	--	1
4,4'-DDE	ND		ug/kg	1.70	--	1
4,4'-DDD	ND		ug/kg	1.70	--	1
4,4'-DDT	ND		ug/kg	3.19	--	1
Endosulfan I	ND		ug/kg	1.70	--	1
Endosulfan II	ND		ug/kg	1.70	--	1
Endosulfan sulfate	ND		ug/kg	0.709	--	1
Methoxychlor	ND		ug/kg	3.19	--	1
Toxaphene	ND		ug/kg	31.9	--	1
trans-Chlordane	ND		ug/kg	2.13	--	1
Chlordane	ND		ug/kg	13.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081A
Analytical Date: 02/24/11 16:53
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 02/21/11 14:58
Cleanup Method1: EPA 3620B
Cleanup Date1: 02/23/11

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG455865-1					
Delta-BHC	ND		ug/kg	1.60	--
Lindane	ND		ug/kg	0.667	--
Alpha-BHC	ND		ug/kg	0.667	--
Beta-BHC	ND		ug/kg	1.60	--
Heptachlor	ND		ug/kg	0.800	--
Aldrin	ND		ug/kg	1.60	--
Heptachlor epoxide	ND		ug/kg	3.00	--
Endrin	ND		ug/kg	0.667	--
Endrin ketone	ND		ug/kg	1.60	--
Dieldrin	ND		ug/kg	1.00	--
4,4'-DDE	ND		ug/kg	1.60	--
4,4'-DDD	ND		ug/kg	1.60	--
4,4'-DDT	ND		ug/kg	3.00	--
Endosulfan I	ND		ug/kg	1.60	--
Endosulfan II	ND		ug/kg	1.60	--
Endosulfan sulfate	ND		ug/kg	0.667	--
Methoxychlor	ND		ug/kg	3.00	--
Toxaphene	ND		ug/kg	30.0	--
trans-Chlordane	ND		ug/kg	2.00	--
Chlordane	ND		ug/kg	13.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	76		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160
Lab Number: L1102299
Report Date: 02/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG455865-2 WG455865-3								
Delta-BHC	95		91		30-150	4		30
Lindane	97		93		30-150	4		30
Alpha-BHC	96		93		30-150	3		30
Beta-BHC	94		89		30-150	5		30
Heptachlor	101		96		30-150	5		30
Aldrin	91		89		30-150	2		30
Heptachlor epoxide	101		98		30-150	3		30
Endrin	108		103		30-150	5		30
Endrin ketone	85		83		30-150	2		30
Dieldrin	98		93		30-150	5		30
4,4'-DDE	100		97		30-150	3		30
4,4'-DDD	104		105		30-150	1		30
4,4'-DDT	112		114		30-150	2		30
Endosulfan I	96		92		30-150	4		30
Endosulfan II	100		98		30-150	2		30
Endosulfan sulfate	84		80		30-150	5		30
Methoxychlor	99		97		30-150	2		30
trans-Chlordane	94		91		30-150	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY

Project Number: 11160

Lab Number: L1102299

Report Date: 02/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG455865-2 WG455865-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		79		30-150	A
Decachlorobiphenyl	45		50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		80		30-150	B
Decachlorobiphenyl	75		73		30-150	B

METALS

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-01 Date Collected: 02/17/11 09:20

Client ID: SB-9(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6400		mg/kg	9.0	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	4.5	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Arsenic, Total	6.1		mg/kg	0.90	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Barium, Total	590		mg/kg	0.90	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Beryllium, Total	1.2		mg/kg	0.45	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Cadmium, Total	5.7		mg/kg	0.90	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Calcium, Total	24000		mg/kg	9.0	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Chromium, Total	22		mg/kg	0.90	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Cobalt, Total	7.4		mg/kg	1.8	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Copper, Total	94		mg/kg	0.90	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Iron, Total	16000		mg/kg	4.5	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Lead, Total	640		mg/kg	4.5	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Magnesium, Total	12000		mg/kg	9.0	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Manganese, Total	300		mg/kg	0.90	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Mercury, Total	0.27		mg/kg	0.08	--	1	02/22/11 12:56	02/23/11 11:41	EPA 7471A	1,7471A	AH
Nickel, Total	49		mg/kg	2.2	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Potassium, Total	1600		mg/kg	220	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	1.8	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Silver, Total	2.0		mg/kg	0.90	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Sodium, Total	410		mg/kg	180	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.8	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Vanadium, Total	240		mg/kg	0.90	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG
Zinc, Total	740		mg/kg	4.5	--	2	02/19/11 12:50	02/22/11 10:29	EPA 3050B	1,6010B	MG

Project Name: 2477 THIRD AVE, BRONX, NY
Lab Number: L1102299
Project Number: 11160
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-02
Client ID: SB-10(0-2)
Sample Location: 2477 THIRD AVE, BRONX, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 02/17/11 09:30
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9600		mg/kg	4.7	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Antimony, Total	2.3		mg/kg	2.3	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Arsenic, Total	7.2		mg/kg	0.47	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Barium, Total	300		mg/kg	0.47	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Beryllium, Total	0.80		mg/kg	0.23	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.47	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Calcium, Total	55000		mg/kg	470	--	100	02/19/11 12:50	02/22/11 11:14	EPA 3050B	1,6010B	MG
Chromium, Total	19		mg/kg	0.47	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Cobalt, Total	6.7		mg/kg	0.94	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Copper, Total	64		mg/kg	0.47	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Iron, Total	26000		mg/kg	2.3	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Lead, Total	150		mg/kg	2.3	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Magnesium, Total	5100		mg/kg	4.7	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Manganese, Total	1500		mg/kg	47	--	100	02/19/11 12:50	02/22/11 11:14	EPA 3050B	1,6010B	MG
Mercury, Total	1.6		mg/kg	0.09	--	1	02/22/11 12:56	02/23/11 11:46	EPA 7471A	1,7471A	AH
Nickel, Total	21		mg/kg	1.2	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Potassium, Total	1100		mg/kg	120	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	0.94	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.47	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Sodium, Total	1200		mg/kg	94	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	0.94	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Vanadium, Total	24		mg/kg	0.47	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG
Zinc, Total	250		mg/kg	2.3	--	1	02/19/11 12:50	02/22/11 11:07	EPA 3050B	1,6010B	MG

Project Name: 2477 THIRD AVE, BRONX, NY
Lab Number: L1102299
Project Number: 11160
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-03
Client ID: SB-11(0-2)
Sample Location: 2477 THIRD AVE, BRONX, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 02/17/11 10:10
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5600		mg/kg	8.4	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	4.2	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Arsenic, Total	5.3		mg/kg	0.84	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Barium, Total	1000		mg/kg	0.84	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Beryllium, Total	0.56		mg/kg	0.42	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Cadmium, Total	5.1		mg/kg	0.84	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Calcium, Total	29000		mg/kg	8.4	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Chromium, Total	17		mg/kg	0.84	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Cobalt, Total	6.2		mg/kg	1.7	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Copper, Total	180		mg/kg	0.84	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Iron, Total	10000		mg/kg	4.2	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Lead, Total	460		mg/kg	4.2	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Magnesium, Total	3800		mg/kg	8.4	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Manganese, Total	300		mg/kg	0.84	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Mercury, Total	0.80		mg/kg	0.09	--	1	02/22/11 12:56	02/23/11 11:48	EPA 7471A	1,7471A	AH
Nickel, Total	12		mg/kg	2.1	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Potassium, Total	970		mg/kg	210	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	1.7	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.84	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Sodium, Total	650		mg/kg	170	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.7	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Vanadium, Total	20		mg/kg	0.84	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG
Zinc, Total	550		mg/kg	4.2	--	2	02/19/11 12:50	02/22/11 10:32	EPA 3050B	1,6010B	MG

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-04 Date Collected: 02/17/11 10:35

Client ID: SB-12(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5200		mg/kg	7.8	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	3.9	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Arsenic, Total	5.7		mg/kg	0.78	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Barium, Total	610		mg/kg	0.78	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Beryllium, Total	0.48		mg/kg	0.39	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Cadmium, Total	0.78		mg/kg	0.78	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Calcium, Total	62000		mg/kg	390	--	100	02/19/11 12:50	02/22/11 11:12	EPA 3050B	1,6010B	MG
Chromium, Total	13		mg/kg	0.78	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Cobalt, Total	4.2		mg/kg	1.6	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Copper, Total	120		mg/kg	0.78	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Iron, Total	8800		mg/kg	3.9	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Lead, Total	460		mg/kg	3.9	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Magnesium, Total	11000		mg/kg	7.8	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Manganese, Total	390		mg/kg	0.78	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Mercury, Total	0.12		mg/kg	0.08	--	1	02/22/11 12:56	02/23/11 11:50	EPA 7471A	1,7471A	AH
Nickel, Total	70		mg/kg	2.0	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Potassium, Total	900		mg/kg	200	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	1.6	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.78	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Sodium, Total	480		mg/kg	160	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.6	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Vanadium, Total	17		mg/kg	0.78	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG
Zinc, Total	440		mg/kg	3.9	--	2	02/19/11 12:50	02/22/11 10:34	EPA 3050B	1,6010B	MG

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-05 Date Collected: 02/17/11 11:25

Client ID: SB-13(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7100		mg/kg	8.6	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	4.3	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Arsenic, Total	5.8		mg/kg	0.86	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Barium, Total	130		mg/kg	0.86	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Beryllium, Total	0.53		mg/kg	0.43	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.86	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Calcium, Total	13000		mg/kg	8.6	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Chromium, Total	14		mg/kg	0.86	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Cobalt, Total	5.3		mg/kg	1.7	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Copper, Total	69		mg/kg	0.86	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Iron, Total	14000		mg/kg	4.3	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Lead, Total	200		mg/kg	4.3	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Magnesium, Total	7400		mg/kg	8.6	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Manganese, Total	290		mg/kg	0.86	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Mercury, Total	0.43		mg/kg	0.09	--	1	02/22/11 12:56	02/23/11 11:52	EPA 7471A	1,7471A	AH
Nickel, Total	190		mg/kg	2.1	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Potassium, Total	1200		mg/kg	210	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	1.7	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.86	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Sodium, Total	200		mg/kg	170	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.7	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Vanadium, Total	24		mg/kg	0.86	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG
Zinc, Total	160		mg/kg	4.3	--	2	02/19/11 12:50	02/22/11 10:37	EPA 3050B	1,6010B	MG

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-06 Date Collected: 02/17/11 11:35

Client ID: SB-14(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	10000		mg/kg	8.5	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	4.2	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Arsenic, Total	2.4		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Barium, Total	35		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Beryllium, Total	0.62		mg/kg	0.42	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Calcium, Total	980		mg/kg	8.5	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Chromium, Total	13		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Cobalt, Total	5.7		mg/kg	1.7	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Copper, Total	11		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Iron, Total	15000		mg/kg	4.2	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Lead, Total	11		mg/kg	4.2	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Magnesium, Total	3100		mg/kg	8.5	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Manganese, Total	330		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Mercury, Total	0.79		mg/kg	0.09	--	1	02/22/11 12:56	02/23/11 11:53	EPA 7471A	1,7471A	AH
Nickel, Total	14		mg/kg	2.1	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Potassium, Total	1100		mg/kg	210	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Selenium, Total	ND		mg/kg	1.7	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Sodium, Total	ND		mg/kg	170	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.7	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Vanadium, Total	16		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG
Zinc, Total	31		mg/kg	4.2	--	2	02/19/11 12:50	02/22/11 10:56	EPA 3050B	1,6010B	MG

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-07 Date Collected: 02/17/11 12:00

Client ID: SB-15(0-2) Date Received: 02/18/11

Sample Location: 2477 THIRD AVE, BRONX, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1200		mg/kg	8.5	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Antimony, Total	ND		mg/kg	4.3	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Arsenic, Total	2.2		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Barium, Total	27		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Beryllium, Total	ND		mg/kg	0.43	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Calcium, Total	240		mg/kg	8.5	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Chromium, Total	8.5		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Cobalt, Total	80		mg/kg	1.7	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Copper, Total	93		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Iron, Total	52000		mg/kg	4.3	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Lead, Total	33		mg/kg	4.3	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Magnesium, Total	190		mg/kg	8.5	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Manganese, Total	2100		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Mercury, Total	ND		mg/kg	0.08	--	1	02/22/11 12:56	02/23/11 11:55	EPA 7471A	1,7471A	AH
Nickel, Total	100		mg/kg	2.1	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Potassium, Total	280		mg/kg	210	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Selenium, Total	1.7		mg/kg	1.7	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Silver, Total	ND		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Sodium, Total	210		mg/kg	170	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Thallium, Total	ND		mg/kg	1.7	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Vanadium, Total	19		mg/kg	0.85	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG
Zinc, Total	76		mg/kg	4.3	--	2	02/19/11 12:50	02/22/11 11:05	EPA 3050B	1,6010B	MG

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-07 Batch: WG455771-1										
Aluminum, Total	ND		mg/kg	4.0	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Antimony, Total	ND		mg/kg	2.0	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Arsenic, Total	ND		mg/kg	0.40	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Barium, Total	ND		mg/kg	0.40	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Beryllium, Total	ND		mg/kg	0.20	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Calcium, Total	16		mg/kg	4.0	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Chromium, Total	ND		mg/kg	0.40	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Cobalt, Total	ND		mg/kg	0.80	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Copper, Total	ND		mg/kg	0.40	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Iron, Total	2.2		mg/kg	2.0	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Lead, Total	ND		mg/kg	2.0	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Magnesium, Total	ND		mg/kg	4.0	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Manganese, Total	ND		mg/kg	0.40	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Nickel, Total	ND		mg/kg	1.0	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Potassium, Total	ND		mg/kg	100	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Selenium, Total	ND		mg/kg	0.80	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Silver, Total	ND		mg/kg	0.40	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Sodium, Total	ND		mg/kg	80	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Thallium, Total	ND		mg/kg	0.80	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Vanadium, Total	ND		mg/kg	0.40	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG
Zinc, Total	ND		mg/kg	2.0	--	1	02/19/11 12:50	02/22/11 09:29	1,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-07 Batch: WG455992-1										
Mercury, Total	ND		mg/kg	0.08	--	1	02/22/11 12:56	02/23/11 11:33	1,7471A	AH

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299

Project Number: 11160 **Report Date:** 02/25/11

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG455771-2								
Aluminum, Total	99		-		75-125	-		
Antimony, Total	108		-		75-125	-		
Arsenic, Total	104		-		75-125	-		
Barium, Total	99		-		75-125	-		
Beryllium, Total	108		-		75-125	-		
Cadmium, Total	106		-		75-125	-		
Calcium, Total	99		-		75-125	-		
Chromium, Total	102		-		75-125	-		
Cobalt, Total	102		-		75-125	-		
Copper, Total	104		-		75-125	-		
Iron, Total	111		-		75-125	-		
Lead, Total	100		-		75-125	-		
Magnesium, Total	102		-		75-125	-		
Manganese, Total	102		-		75-125	-		
Nickel, Total	102		-		75-125	-		
Potassium, Total	102		-		75-125	-		
Selenium, Total	99		-		75-125	-		
Silver, Total	104		-		75-125	-		
Sodium, Total	111		-		75-125	-		
Thallium, Total	95		-		75-125	-		
Vanadium, Total	102		-		75-125	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160
Lab Number: L1102299
Report Date: 02/25/11

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG455771-2					
Zinc, Total	102	-	75-125	-	
Total Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG455992-2					
Mercury, Total	90	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160
Lab Number: L1102299
Report Date: 02/25/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG455771-4 QC Sample: L1102299-02 Client ID: SB-10(0-2)												
Aluminum, Total	9600	95	14000	**4630**		-	-		75-125	-		35
Antimony, Total	2.3	23.8	4.4	**18**	Q	-	-		75-125	-		35
Arsenic, Total	7.2	5.7	11	**67**	Q	-	-		75-125	-		35
Barium, Total	300	95	450	**158**	Q	-	-		75-125	-		35
Beryllium, Total	0.80	2.38	3.3	105		-	-		75-125	-		35
Cadmium, Total	ND	2.42	2.4	99		-	-		75-125	-		35
Calcium, Total	55000	475	63000	**1680**		-	-		75-125	-		35
Chromium, Total	19	9.5	29	105		-	-		75-125	-		35
Cobalt, Total	6.7	23.8	29	94		-	-		75-125	-		35
Copper, Total	64	11.9	57	**0**		-	-		75-125	-		35
Iron, Total	26000	47.5	11000	**0**		-	-		75-125	-		35
Lead, Total	150	24.2	130	**0**		-	-		75-125	-		35
Magnesium, Total	5100	475	8100	**631**		-	-		75-125	-		35
Manganese, Total	1500	23.8	2800	**5470**		-	-		75-125	-		35
Nickel, Total	21	23.8	34	**55**	Q	-	-		75-125	-		35
Potassium, Total	1100	475	2000	**189**	Q	-	-		75-125	-		35
Selenium, Total	ND	5.7	4.8	84		-	-		75-125	-		35
Silver, Total	ND	14.2	14	98		-	-		75-125	-		35
Sodium, Total	1200	475	2300	**232**	Q	-	-		75-125	-		35
Thallium, Total	ND	5.7	4.8	84		-	-		75-125	-		35
Vanadium, Total	24	23.8	48	101		-	-		75-125	-		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG455771-4 QC Sample: L1102299-02 Client ID: SB-10(0-2)									
Zinc, Total	250	23.8	270	84	-	-	75-125	-	35
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG455992-4 QC Sample: L1102299-01 Client ID: SB-9(0-2)									
Mercury, Total	0.27	0.175	0.41	80	-	-	70-130	-	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG455771-3 QC Sample: L1102299-02 Client ID: SB-10(0-2)						
Aluminum, Total	9600	14000	mg/kg	**37**	Q	35
Antimony, Total	2.3	ND	mg/kg	NC		35
Arsenic, Total	7.2	8.0	mg/kg	11		35
Barium, Total	300	340	mg/kg	13		35
Beryllium, Total	0.80	1.1	mg/kg	32		35
Cadmium, Total	ND	ND	mg/kg	NC		35
Chromium, Total	19	19	mg/kg	0		35
Cobalt, Total	6.7	8.6	mg/kg	25		35
Copper, Total	64	49	mg/kg	27		35
Iron, Total	26000	14000	mg/kg	**60**	Q	35
Lead, Total	150	150	mg/kg	0		35
Magnesium, Total	5100	5900	mg/kg	15		35
Nickel, Total	21	15	mg/kg	33		35
Potassium, Total	1100	1300	mg/kg	17		35
Selenium, Total	ND	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Sodium, Total	1200	1800	mg/kg	**40**	Q	35
Thallium, Total	ND	ND	mg/kg	NC		35
Vanadium, Total	24	28	mg/kg	15		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG455771-3 QC Sample: L1102299-02 Client ID: SB-10(0-2)						
Zinc, Total	250	300	mg/kg	18		35
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG455771-3 QC Sample: L1102299-02 Client ID: SB-10(0-2)						
Calcium, Total	55000	58000	mg/kg	5		35
Manganese, Total	1500	3000	mg/kg	**67**	Q	35
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG455992-3 QC Sample: L1102299-01 Client ID: SB-9(0-2)						
Mercury, Total	0.27	0.38	mg/kg	34		35

INORGANICS
&
MISCELLANEOUS

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-01
Client ID: SB-9(0-2)
Sample Location: 2477 THIRD AVE, BRONX, NY
Matrix: Soil

Date Collected: 02/17/11 09:20
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	02/21/11 09:45	30,2540G	MF

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-02
Client ID: SB-10(0-2)
Sample Location: 2477 THIRD AVE, BRONX, NY
Matrix: Soil

Date Collected: 02/17/11 09:30
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	02/21/11 09:45	30,2540G	MF

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-03
Client ID: SB-11(0-2)
Sample Location: 2477 THIRD AVE, BRONX, NY
Matrix: Soil

Date Collected: 02/17/11 10:10
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	02/21/11 09:45	30,2540G	MF

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-04
Client ID: SB-12(0-2)
Sample Location: 2477 THIRD AVE, BRONX, NY
Matrix: Soil

Date Collected: 02/17/11 10:35
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	02/21/11 09:45	30,2540G	MF

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-05
Client ID: SB-13(0-2)
Sample Location: 2477 THIRD AVE, BRONX, NY
Matrix: Soil

Date Collected: 02/17/11 11:25
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87		%	0.10	NA	1	-	02/21/11 09:45	30,2540G	MF

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-06
Client ID: SB-14(0-2)
Sample Location: 2477 THIRD AVE, BRONX, NY
Matrix: Soil

Date Collected: 02/17/11 11:35
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84		%	0.10	NA	1	-	02/21/11 09:45	30,2540G	MF

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

SAMPLE RESULTS

Lab ID: L1102299-07
Client ID: SB-15(0-2)
Sample Location: 2477 THIRD AVE, BRONX, NY
Matrix: Soil

Date Collected: 02/17/11 12:00
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	02/21/11 09:45	30,2540G	MF

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG455835-1 QC Sample: L1102299-01 Client ID: SB-9(0-2)						
Solids, Total	85	86	%	1		20

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1102299-01A	Vial Large unpreserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1102299-01B	Amber 250ml unpreserved	A	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1102299-02A	Vial Large unpreserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1102299-02B	Amber 250ml unpreserved	A	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1102299-03A	Vial Large unpreserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1102299-03B	Amber 250ml unpreserved	A	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1102299-04A	Vial Large unpreserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1102299-04B	Amber 250ml unpreserved	A	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1102299-05A	Vial Large unpreserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1102299-05B	Amber 250ml unpreserved	A	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1102299-06A	Vial Large unpreserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1102299-06B	Amber 250ml unpreserved	A	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 2477 THIRD AVE, BRONX, NY
Project Number: 11160

Lab Number: L1102299
Report Date: 02/25/11

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1102299-07A	Vial Large unpreserved	A	N/A	3.4	Y	Absent	NYTCL-8260(14)
L1102299-07B	Amber 250ml unpreserved	A	N/A	3.4	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),NYTCL-8270-SIM(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	2477 THIRD AVE, BRONX, NY	**Lab Number:**	L1102299
Project Number:	11160	**Report Date:**	02/25/11

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when

Project Name:	2477 THIRD AVE, BRONX, NY	**Lab Number:**	L1102299
Project Number:	11160	**Report Date:**	02/25/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: 2477 THIRD AVE, BRONX, NY **Lab Number:** L1102299
Project Number: 11160 **Report Date:** 02/25/11

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised February 23, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

*Solid Waste/Soil (*Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

NJ CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 2/18/11

ALPHA Job #: L1102299

WESTBORO, MA
8 Walkup Drive
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Serial_No:02251116:30

Client Information

Client: AKRF Inc

Address: 440 Park Ave South 7th Fl

Phone: 646.388.9529

Fax: 212.726.0942

Email: ASchwendt@akrf.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 2477 Third Ave, Bronx, NY

Project Location: "

Project #: 11160

Project Manager: Axel Schwendt

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 2/25/11 Time:

Report Type

☐ Data Summary ☐ NJ Full

☐ NJ Reduced ☐ Other _____

Regulatory Requirements

☐ SRS-Residential/Non Residential

☐ SRS-Impact To Groundwater

☐ NJ Ground Water Quality Standards

☐ Other _____

Billing Information

☐ Same as Client info PO #: 11160

Site Information

Is this site impacted by Petroleum?
Yes / No (circle one)
(Please indicate Petroleum Product - See Table 2-1 on reverse side)

Petroleum Product: _____

Are any samples for waste disposal?
Yes / No (circle one)
(Please indicate which samples below in Sample Specific Comments field)

For EPH you MUST indicate Category 1 or 2. Please check one of the following:

☐ Category 1 ☐ Category 2

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	SVOC 8270	PEST 8081	PCB 8082	TAL Metals 6010/7000	Sample Specific Comments	TOTAL # BOTTLES
02299.1	SB-9 (0-2)	2/17/11	9:20	S	MO	X	X	X	X	X	Please use NJ Unrestricted Part 375 SCOs.	2
2	SB-10 (0-2)		9:30	S	MO	X	X	X	X	X		2
3	SB-11 (0-2)		10:10	S	MO	X	X	X	X	X		2
4	SB-12 (0-2)		10:35	S	MO	X	X	X	X	X		2
5	SB-13 (0-2)		11:25	S	MO	X	X	X	X	X		2
6	SB-14 (0-2)		11:35	S	MO	X	X	X	X	X		2
7	SB-15 (0-2)	2/17/11	12:00	S	MO	X	X	X	X	X		2

Preservative Code:
A = None
B = HCl
C = HNO3
D = H2SO4
E = NaOH
F = MeOH
G = NaHSO4
H = Other

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	A	A	A	A
Preservative	—	—	—	—	—

Relinquished By:	Date/Time	Received By:	Date/Time
Matt Oliveri	2/18/11 11:00	[illegible]	2/18/11 11:00
[illegible]	2/18/11	[illegible]	2/18/11 11:40
[illegible]	2/18/11 2230	[illegible]	2/18/11 2230

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-14 (rev. 30-AUG-10)

APPENDIX F

LABORATORY DATA DELIVERABLES FOR GROUNDWATER ANALYTICAL DATA

ALPHA ANALYTICAL

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com
MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: AKRF, Inc.

Address: 440 Park Avenue South
New York, NY 10016

Attn: Mr. Axel Schwendt

Project Number: 11160

Laboratory Job Number: L0901107

Date Received: 28-JAN-2009

Date Reported: 04-FEB-2009

Delivery Method: Alpha

Site: 2477 3RD AVE.

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0901107-01	MW-1	BRONX
L0901107-02	MW-2	BRONX
L0901107-03	MW-3	BRONX
L0901107-04	MW-6	BRONX
L0901107-05	MW-8	BRONX
L0901107-06	TRIP BLANK	BRONX
L0901107-07	FB-1	BRONX

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Michelle M. Morris
Technical Representative

ALPHA ANALYTICAL
NARRATIVE REPORT

Laboratory Job Number: L0901107

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Total Metals

The WG351357-4 MS recovery for Iron (70%), associated with L0901107-02, is invalid because the sample concentration is greater than four times the spike amount added.

Dissolved Metals

The WG351356-4 MS recovery for Calcium (200%), associated with L0901107-01, is invalid because the sample concentration is greater than four times the spike amount added.

Semivolatile Organics

The WG351478-2/-3 LCS/LCSD recoveries associated with L0901107-01 through -05, and -07 were above the acceptance criteria for 2,4-Dinitrotoluene (106%/101%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901107-01
MW-1
Sample Matrix: WATER

Date Collected: 27-JAN-2009 10:00
Date Received : 28-JAN-2009
Date Reported : 04-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 6-Amber,2-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	20	mg/l	0.10	1	6010B	0129 11:45	0202 11:46	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0129 11:45	0202 11:46	AI
Arsenic, Total	0.023	mg/l	0.005	1	6010B	0129 11:45	0202 11:46	AI
Barium, Total	0.308	mg/l	0.010	1	6010B	0129 11:45	0202 11:46	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:46	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:46	AI
Calcium, Total	190	mg/l	0.10	1	6010B	0129 11:45	0202 11:46	AI
Chromium, Total	0.05	mg/l	0.01	1	6010B	0129 11:45	0202 11:46	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 11:46	AI
Copper, Total	0.142	mg/l	0.010	1	6010B	0129 11:45	0202 11:46	AI
Iron, Total	52	mg/l	0.05	1	6010B	0129 11:45	0202 11:46	AI
Lead, Total	0.273	mg/l	0.010	1	6010B	0129 11:45	0202 11:46	AI
Magnesium, Total	22	mg/l	0.10	1	6010B	0129 11:45	0202 11:46	AI
Manganese, Total	0.830	mg/l	0.010	1	6010B	0129 11:45	0202 11:46	AI
Mercury, Total	0.0013	mg/l	0.0002	1	7470A	0129 20:30	0130 11:15	DM
Nickel, Total	0.130	mg/l	0.025	1	6010B	0129 11:45	0202 11:46	AI
Potassium, Total	11	mg/l	2.5	1	6010B	0129 11:45	0202 11:46	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:46	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0129 11:45	0202 11:46	AI
Sodium, Total	26	mg/l	2.0	1	6010B	0129 11:45	0202 11:46	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 11:46	AI
Vanadium, Total	0.044	mg/l	0.010	1	6010B	0129 11:45	0202 11:46	AI
Zinc, Total	0.276	mg/l	0.050	1	6010B	0129 11:45	0202 11:46	AI
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0129 11:45	0202 13:14	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0129 11:45	0202 13:14	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0129 11:45	0202 13:14	AI
Barium, Dissolved	0.047	mg/l	0.010	1	6010B	0129 11:45	0202 13:14	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0129 11:45	0202 13:14	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0129 11:45	0202 13:14	AI
Calcium, Dissolved	150	mg/l	0.10	1	6010B	0129 11:45	0202 13:14	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0129 11:45	0202 13:14	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0129 11:45	0202 13:14	AI
Copper, Dissolved	0.012	mg/l	0.010	1	6010B	0129 11:45	0202 13:14	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0129 11:45	0202 13:14	AI

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-01
MW-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Dissolved Metals								
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:14	AI
Magnesium, Dissolved	15	mg/l	0.10	1	6010B	0129 11:45	0202 13:14	AI
Manganese, Dissolved	0.111	mg/l	0.010	1	6010B	0129 11:45	0202 13:14	AI
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0129 20:30	0130 11:50	DM
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0129 11:45	0202 13:14	AI
Potassium, Dissolved	8.4	mg/l	2.5	1	6010B	0129 11:45	0202 13:14	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:14	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0129 11:45	0202 13:14	AI
Sodium, Dissolved	25	mg/l	2.0	1	6010B	0129 11:45	0202 13:14	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0129 11:45	0202 13:14	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:14	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0129 11:45	0202 13:14	AI
Volatile Organics by EPA 8260B				1	8260B		0130 09:16	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-01
MW-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0130 09:16	PD
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	3.1	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	101	%	70-130					
Toluene-d8	100	%	70-130					
4-Bromofluorobenzene	99.0	%	70-130					
Dibromofluoromethane	100	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0130 11:18	0131 18:01	PS
Acenaphthene	ND	ug/l	5.0					
1,2,4-Trichlorobenzene	ND	ug/l	5.0					
Hexachlorobenzene	ND	ug/l	5.0					
Bis(2-chloroethyl)ether	ND	ug/l	5.0					
2-Chloronaphthalene	ND	ug/l	6.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-01
MW-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 11:18	0131 18:01	PS
1,2-Dichlorobenzene	ND	ug/l	5.0					
1,3-Dichlorobenzene	ND	ug/l	5.0					
1,4-Dichlorobenzene	ND	ug/l	5.0					
3,3'-Dichlorobenzidine	ND	ug/l	50.					
2,4-Dinitrotoluene	ND	ug/l	6.0					
2,6-Dinitrotoluene	ND	ug/l	5.0					
Fluoranthene	ND	ug/l	5.0					
4-Chlorophenyl phenyl ether	ND	ug/l	5.0					
4-Bromophenyl phenyl ether	ND	ug/l	5.0					
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0					
Bis(2-chloroethoxy)methane	ND	ug/l	5.0					
Hexachlorobutadiene	ND	ug/l	10.					
Hexachlorocyclopentadiene	ND	ug/l	30.					
Hexachloroethane	ND	ug/l	5.0					
Isophorone	ND	ug/l	5.0					
Naphthalene	ND	ug/l	5.0					
Nitrobenzene	ND	ug/l	5.0					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.					
n-Nitrosodi-n-propylamine	ND	ug/l	5.0					
Bis(2-Ethylhexyl)phthalate	ND	ug/l	5.0					
Butyl benzyl phthalate	ND	ug/l	5.0					
Di-n-butylphthalate	ND	ug/l	5.0					
Di-n-octylphthalate	ND	ug/l	5.0					
Diethyl phthalate	ND	ug/l	5.0					
Dimethyl phthalate	ND	ug/l	5.0					
Benzo(a)anthracene	ND	ug/l	5.0					
Benzo(a)pyrene	ND	ug/l	5.0					
Benzo(b)fluoranthene	ND	ug/l	5.0					
Benzo(k)fluoranthene	ND	ug/l	5.0					
Chrysene	ND	ug/l	5.0					
Acenaphthylene	ND	ug/l	5.0					
Anthracene	ND	ug/l	5.0					
Benzo(ghi)perylene	ND	ug/l	5.0					
Fluorene	ND	ug/l	5.0					
Phenanthrene	ND	ug/l	5.0					
Dibenzo(a,h)anthracene	ND	ug/l	5.0					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	7.0					
Pyrene	ND	ug/l	5.0					
Biphenyl	ND	ug/l	5.0					
4-Chloroaniline	ND	ug/l	5.0					
2-Nitroaniline	ND	ug/l	5.0					
3-Nitroaniline	ND	ug/l	5.0					
4-Nitroaniline	ND	ug/l	7.0					
Dibenzofuran	ND	ug/l	5.0					
2-Methylnaphthalene	ND	ug/l	5.0					
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.					
Acetophenone	ND	ug/l	20.					
2,4,6-Trichlorophenol	ND	ug/l	5.0					
P-Chloro-M-Cresol	ND	ug/l	5.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-01
MW-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 11:18	0131 18:01	PS
2-Chlorophenol	ND	ug/l	6.0					
2,4-Dichlorophenol	ND	ug/l	10.					
2,4-Dimethylphenol	ND	ug/l	10.					
2-Nitrophenol	ND	ug/l	20.					
4-Nitrophenol	ND	ug/l	10.					
2,4-Dinitrophenol	ND	ug/l	30.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	10.					
Phenol	ND	ug/l	7.0					
2-Methylphenol	ND	ug/l	6.0					
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0					
2,4,5-Trichlorophenol	ND	ug/l	5.0					
Benzoic Acid	ND	ug/l	50					
Benzyl Alcohol	ND	ug/l	10.					
Carbazole	ND	ug/l	5.0					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	50.0	%	21-120					
Phenol-d6	36.0	%	10-120					
Nitrobenzene-d5	82.0	%	23-120					
2-Fluorobiphenyl	81.0	%	43-120					
2,4,6-Tribromophenol	103	%	10-120					
4-Terphenyl-d14	97.0	%	33-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 11:22	0131 14:14	AK
Acenaphthene	ND	ug/l	0.20					
2-Chloronaphthalene	ND	ug/l	0.20					
Fluoranthene	0.56	ug/l	0.20					
Hexachlorobutadiene	ND	ug/l	0.50					
Naphthalene	2.2	ug/l	0.20					
Benzo(a)anthracene	0.27	ug/l	0.20					
Benzo(a)pyrene	0.21	ug/l	0.20					
Benzo(b)fluoranthene	0.28	ug/l	0.20					
Benzo(k)fluoranthene	ND	ug/l	0.20					
Chrysene	ND	ug/l	0.20					
Acenaphthylene	ND	ug/l	0.20					
Anthracene	0.22	ug/l	0.20					
Benzo(ghi)perylene	ND	ug/l	0.20					
Fluorene	ND	ug/l	0.20					
Phenanthrene	0.79	ug/l	0.20					
Dibenzo(a,h)anthracene	ND	ug/l	0.20					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20					
Pyrene	0.48	ug/l	0.20					
2-Methylnaphthalene	0.32	ug/l	0.20					
Pentachlorophenol	1.1	ug/l	0.80					
Hexachlorobenzene	ND	ug/l	0.80					
Hexachloroethane	ND	ug/l	0.80					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-01
MW-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0130 11:22	0131 14:14	AK
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	42.0	%	21-120					
Phenol-d6	33.0	%	10-120					
Nitrobenzene-d5	72.0	%	23-120					
2-Fluorobiphenyl	63.0	%	43-120					
2,4,6-Tribromophenol	88.0	%	10-120					
4-Terphenyl-d14	62.0	%	33-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0131 01:49	0202 10:24	SH
Aroclor 1016	ND	ug/l	0.100					
Aroclor 1221	ND	ug/l	0.100					
Aroclor 1232	ND	ug/l	0.100					
Aroclor 1242	ND	ug/l	0.100					
Aroclor 1248	ND	ug/l	0.100					
Aroclor 1254	ND	ug/l	0.100					
Aroclor 1260	ND	ug/l	0.100					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	61.0	%	30-150					
Decachlorobiphenyl	61.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 01:43	0203 15:21	JB
Delta-BHC	ND	ug/l	0.020					
Lindane	ND	ug/l	0.020					
Alpha-BHC	ND	ug/l	0.020					
Beta-BHC	ND	ug/l	0.020					
Heptachlor	ND	ug/l	0.020					
Aldrin	ND	ug/l	0.020					
Heptachlor epoxide	ND	ug/l	0.020					
Endrin	ND	ug/l	0.040					
Endrin ketone	ND	ug/l	0.040					
Dieldrin	ND	ug/l	0.040					
4,4'-DDE	ND	ug/l	0.040					
4,4'-DDD	ND	ug/l	0.040					
4,4'-DDT	ND	ug/l	0.040					
Endosulfan I	ND	ug/l	0.020					
Endosulfan II	ND	ug/l	0.040					
Endosulfan sulfate	ND	ug/l	0.040					
Methoxychlor	ND	ug/l	0.200					
trans-Chlordane	ND	ug/l	0.020					
Chlordane	ND	ug/l	0.200					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	55.0	%	30-150					
Decachlorobiphenyl	54.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901107-02
MW-2
Sample Matrix: WATER

Date Collected: 27-JAN-2009 10:30
Date Received : 28-JAN-2009
Date Reported : 04-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 6-Amber,2-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	0.97	mg/l	0.10	1	6010B	0129 11:45	0202 11:15	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0129 11:45	0202 11:15	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:15	AI
Barium, Total	0.129	mg/l	0.010	1	6010B	0129 11:45	0202 11:15	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:15	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:15	AI
Calcium, Total	120	mg/l	0.10	1	6010B	0129 11:45	0202 11:15	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0129 11:45	0202 11:15	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 11:15	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:15	AI
Iron, Total	5.3	mg/l	0.05	1	6010B	0129 11:45	0202 11:15	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:15	AI
Magnesium, Total	17	mg/l	0.10	1	6010B	0129 11:45	0202 11:15	AI
Manganese, Total	0.604	mg/l	0.010	1	6010B	0129 11:45	0202 11:15	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0129 20:30	0130 11:17	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0129 11:45	0202 11:15	AI
Potassium, Total	17	mg/l	2.5	1	6010B	0129 11:45	0202 11:15	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:15	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0129 11:45	0202 11:15	AI
Sodium, Total	100	mg/l	2.0	1	6010B	0129 11:45	0202 11:15	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 11:15	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:15	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0129 11:45	0202 11:15	AI
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0129 11:45	0202 13:31	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0129 11:45	0202 13:31	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0129 11:45	0202 13:31	AI
Barium, Dissolved	0.123	mg/l	0.010	1	6010B	0129 11:45	0202 13:31	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0129 11:45	0202 13:31	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0129 11:45	0202 13:31	AI
Calcium, Dissolved	120	mg/l	0.10	1	6010B	0129 11:45	0202 13:31	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0129 11:45	0202 13:31	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0129 11:45	0202 13:31	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:31	AI
Iron, Dissolved	4.0	mg/l	0.05	1	6010B	0129 11:45	0202 13:31	AI

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-02
MW-2

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Dissolved Metals								
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:31	AI
Magnesium, Dissolved	17	mg/l	0.10	1	6010B	0129 11:45	0202 13:31	AI
Manganese, Dissolved	0.581	mg/l	0.010	1	6010B	0129 11:45	0202 13:31	AI
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0129 20:30	0130 11:52	DM
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0129 11:45	0202 13:31	AI
Potassium, Dissolved	17	mg/l	2.5	1	6010B	0129 11:45	0202 13:31	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:31	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0129 11:45	0202 13:31	AI
Sodium, Dissolved	100	mg/l	2.0	1	6010B	0129 11:45	0202 13:31	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0129 11:45	0202 13:31	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:31	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0129 11:45	0202 13:31	AI
Volatile Organics by EPA 8260B				1	8260B		0130 09:51	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	1.8	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-02
MW-2

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0130 09:51	PD
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	101	%	70-130					
Toluene-d8	100	%	70-130					
4-Bromofluorobenzene	104	%	70-130					
Dibromofluoromethane	101	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0130 11:18	0131 18:24	PS
Acenaphthene	ND	ug/l	4.9					
1,2,4-Trichlorobenzene	ND	ug/l	4.9					
Hexachlorobenzene	ND	ug/l	4.9					
Bis(2-chloroethyl)ether	ND	ug/l	4.9					
2-Chloronaphthalene	ND	ug/l	5.9					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-02
MW-2

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 11:18	0131 18:24	PS
1,2-Dichlorobenzene	ND	ug/l	4.9					
1,3-Dichlorobenzene	ND	ug/l	4.9					
1,4-Dichlorobenzene	ND	ug/l	4.9					
3,3'-Dichlorobenzidine	ND	ug/l	49.					
2,4-Dinitrotoluene	ND	ug/l	5.9					
2,6-Dinitrotoluene	ND	ug/l	4.9					
Fluoranthene	ND	ug/l	4.9					
4-Chlorophenyl phenyl ether	ND	ug/l	4.9					
4-Bromophenyl phenyl ether	ND	ug/l	4.9					
Bis(2-chloroisopropyl)ether	ND	ug/l	4.9					
Bis(2-chloroethoxy)methane	ND	ug/l	4.9					
Hexachlorobutadiene	ND	ug/l	9.8					
Hexachlorocyclopentadiene	ND	ug/l	29.					
Hexachloroethane	ND	ug/l	4.9					
Isophorone	ND	ug/l	4.9					
Naphthalene	ND	ug/l	4.9					
Nitrobenzene	ND	ug/l	4.9					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.					
n-Nitrosodi-n-propylamine	ND	ug/l	4.9					
Bis(2-Ethylhexyl)phthalate	ND	ug/l	4.9					
Butyl benzyl phthalate	ND	ug/l	4.9					
Di-n-butylphthalate	ND	ug/l	4.9					
Di-n-octylphthalate	ND	ug/l	4.9					
Diethyl phthalate	ND	ug/l	4.9					
Dimethyl phthalate	ND	ug/l	4.9					
Benzo(a)anthracene	ND	ug/l	4.9					
Benzo(a)pyrene	ND	ug/l	4.9					
Benzo(b)fluoranthene	ND	ug/l	4.9					
Benzo(k)fluoranthene	ND	ug/l	4.9					
Chrysene	ND	ug/l	4.9					
Acenaphthylene	ND	ug/l	4.9					
Anthracene	ND	ug/l	4.9					
Benzo(ghi)perylene	ND	ug/l	4.9					
Fluorene	ND	ug/l	4.9					
Phenanthrene	ND	ug/l	4.9					
Dibenzo(a,h)anthracene	ND	ug/l	4.9					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	6.8					
Pyrene	ND	ug/l	4.9					
Biphenyl	ND	ug/l	4.9					
4-Chloroaniline	ND	ug/l	4.9					
2-Nitroaniline	ND	ug/l	4.9					
3-Nitroaniline	ND	ug/l	4.9					
4-Nitroaniline	ND	ug/l	6.8					
Dibenzofuran	ND	ug/l	4.9					
2-Methylnaphthalene	ND	ug/l	4.9					
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.					
Acetophenone	ND	ug/l	20					
2,4,6-Trichlorophenol	ND	ug/l	4.9					
P-Chloro-M-Cresol	ND	ug/l	4.9					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-02
MW-2

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 11:18	0131 18:24	PS
2-Chlorophenol	ND	ug/l	5.9					
2,4-Dichlorophenol	ND	ug/l	9.8					
2,4-Dimethylphenol	ND	ug/l	9.8					
2-Nitrophenol	ND	ug/l	20.					
4-Nitrophenol	ND	ug/l	9.8					
2,4-Dinitrophenol	ND	ug/l	29.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	9.8					
Phenol	ND	ug/l	6.8					
2-Methylphenol	ND	ug/l	5.9					
3-Methylphenol/4-Methylphenol	ND	ug/l	5.9					
2,4,5-Trichlorophenol	ND	ug/l	4.9					
Benzoic Acid	ND	ug/l	49					
Benzyl Alcohol	ND	ug/l	9.8					
Carbazole	ND	ug/l	4.9					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	44.0	%	21-120					
Phenol-d6	33.0	%	10-120					
Nitrobenzene-d5	67.0	%	23-120					
2-Fluorobiphenyl	66.0	%	43-120					
2,4,6-Tribromophenol	90.0	%	10-120					
4-Terphenyl-d14	90.0	%	33-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 11:22	0131 14:44	AK
Acenaphthene	ND	ug/l	0.20					
2-Chloronaphthalene	ND	ug/l	0.20					
Fluoranthene	ND	ug/l	0.20					
Hexachlorobutadiene	ND	ug/l	0.49					
Naphthalene	ND	ug/l	0.20					
Benzo(a)anthracene	ND	ug/l	0.20					
Benzo(a)pyrene	ND	ug/l	0.20					
Benzo(b)fluoranthene	ND	ug/l	0.20					
Benzo(k)fluoranthene	ND	ug/l	0.20					
Chrysene	ND	ug/l	0.20					
Acenaphthylene	ND	ug/l	0.20					
Anthracene	ND	ug/l	0.20					
Benzo(ghi)perylene	ND	ug/l	0.20					
Fluorene	ND	ug/l	0.20					
Phenanthrene	ND	ug/l	0.20					
Dibenzo(a,h)anthracene	ND	ug/l	0.20					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20					
Pyrene	ND	ug/l	0.20					
2-Methylnaphthalene	ND	ug/l	0.20					
Pentachlorophenol	ND	ug/l	0.78					
Hexachlorobenzene	ND	ug/l	0.78					
Hexachloroethane	ND	ug/l	0.78					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-02
MW-2

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0130 11:22	0131 14:44	AK
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	41.0	%	21-120					
Phenol-d6	34.0	%	10-120					
Nitrobenzene-d5	61.0	%	23-120					
2-Fluorobiphenyl	54.0	%	43-120					
2,4,6-Tribromophenol	88.0	%	10-120					
4-Terphenyl-d14	64.0	%	33-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0131 01:49	0202 10:36	SH
Aroclor 1016	ND	ug/l	0.100					
Aroclor 1221	ND	ug/l	0.100					
Aroclor 1232	ND	ug/l	0.100					
Aroclor 1242	ND	ug/l	0.100					
Aroclor 1248	ND	ug/l	0.100					
Aroclor 1254	ND	ug/l	0.100					
Aroclor 1260	ND	ug/l	0.100					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	59.0	%	30-150					
Decachlorobiphenyl	55.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 01:43	0203 15:34	JB
Delta-BHC	ND	ug/l	0.020					
Lindane	ND	ug/l	0.020					
Alpha-BHC	ND	ug/l	0.020					
Beta-BHC	ND	ug/l	0.020					
Heptachlor	ND	ug/l	0.020					
Aldrin	ND	ug/l	0.020					
Heptachlor epoxide	ND	ug/l	0.020					
Endrin	ND	ug/l	0.040					
Endrin ketone	ND	ug/l	0.040					
Dieldrin	ND	ug/l	0.040					
4,4'-DDE	ND	ug/l	0.040					
4,4'-DDD	ND	ug/l	0.040					
4,4'-DDT	ND	ug/l	0.040					
Endosulfan I	ND	ug/l	0.020					
Endosulfan II	ND	ug/l	0.040					
Endosulfan sulfate	ND	ug/l	0.040					
Methoxychlor	ND	ug/l	0.200					
trans-Chlordane	ND	ug/l	0.020					
Chlordane	ND	ug/l	0.200					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	57.0	%	30-150					
Decachlorobiphenyl	55.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901107-03
MW-3
Sample Matrix: WATER

Date Collected: 27-JAN-2009 12:20
Date Received : 28-JAN-2009
Date Reported : 04-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 6-Amber,1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	14	mg/l	0.10	1	6010B	0129 11:45	0202 11:50	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0129 11:45	0202 11:50	AI
Arsenic, Total	0.005	mg/l	0.005	1	6010B	0129 11:45	0202 11:50	AI
Barium, Total	0.141	mg/l	0.010	1	6010B	0129 11:45	0202 11:50	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:50	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:50	AI
Calcium, Total	230	mg/l	0.10	1	6010B	0129 11:45	0202 11:50	AI
Chromium, Total	0.04	mg/l	0.01	1	6010B	0129 11:45	0202 11:50	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 11:50	AI
Copper, Total	0.118	mg/l	0.010	1	6010B	0129 11:45	0202 11:50	AI
Iron, Total	26	mg/l	0.05	1	6010B	0129 11:45	0202 11:50	AI
Lead, Total	0.021	mg/l	0.010	1	6010B	0129 11:45	0202 11:50	AI
Magnesium, Total	23	mg/l	0.10	1	6010B	0129 11:45	0202 11:50	AI
Manganese, Total	0.611	mg/l	0.010	1	6010B	0129 11:45	0202 11:50	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0129 20:30	0130 11:22	DM
Nickel, Total	0.027	mg/l	0.025	1	6010B	0129 11:45	0202 11:50	AI
Potassium, Total	15	mg/l	2.5	1	6010B	0129 11:45	0202 11:50	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:50	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0129 11:45	0202 11:50	AI
Sodium, Total	57	mg/l	2.0	1	6010B	0129 11:45	0202 11:50	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 11:50	AI
Vanadium, Total	0.039	mg/l	0.010	1	6010B	0129 11:45	0202 11:50	AI
Zinc, Total	0.108	mg/l	0.050	1	6010B	0129 11:45	0202 11:50	AI
Volatile Organics by EPA 8260B				1	8260B		0130 10:26	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-03
MW-3

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0130 10:26	PD
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-03
MW-3

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0130 10:26	PD
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	103	%	70-130					
Toluene-d8	98.0	%	70-130					
4-Bromofluorobenzene	101	%	70-130					
Dibromofluoromethane	100	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0130 11:18	0131 18:47	PS
Acenaphthene	ND	ug/l	5.0					
1,2,4-Trichlorobenzene	ND	ug/l	5.0					
Hexachlorobenzene	ND	ug/l	5.0					
Bis(2-chloroethyl)ether	ND	ug/l	5.0					
2-Chloronaphthalene	ND	ug/l	6.0					
1,2-Dichlorobenzene	ND	ug/l	5.0					
1,3-Dichlorobenzene	ND	ug/l	5.0					
1,4-Dichlorobenzene	ND	ug/l	5.0					
3,3'-Dichlorobenzidine	ND	ug/l	50.					
2,4-Dinitrotoluene	ND	ug/l	6.0					
2,6-Dinitrotoluene	ND	ug/l	5.0					
Fluoranthene	ND	ug/l	5.0					
4-Chlorophenyl phenyl ether	ND	ug/l	5.0					
4-Bromophenyl phenyl ether	ND	ug/l	5.0					
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0					
Bis(2-chloroethoxy)methane	ND	ug/l	5.0					
Hexachlorobutadiene	ND	ug/l	10.					
Hexachlorocyclopentadiene	ND	ug/l	30.					
Hexachloroethane	ND	ug/l	5.0					
Isophorone	ND	ug/l	5.0					
Naphthalene	ND	ug/l	5.0					
Nitrobenzene	ND	ug/l	5.0					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.					
n-Nitrosodi-n-propylamine	ND	ug/l	5.0					
Bis(2-Ethylhexyl)phthalate	ND	ug/l	5.0					
Butyl benzyl phthalate	ND	ug/l	5.0					
Di-n-butylphthalate	ND	ug/l	5.0					
Di-n-octylphthalate	ND	ug/l	5.0					
Diethyl phthalate	ND	ug/l	5.0					
Dimethyl phthalate	ND	ug/l	5.0					
Benzo(a)anthracene	ND	ug/l	5.0					
Benzo(a)pyrene	ND	ug/l	5.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-03
MW-3

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 11:18	0131 18:47	PS
Benzo(b)fluoranthene	ND	ug/l	5.0					
Benzo(k)fluoranthene	ND	ug/l	5.0					
Chrysene	ND	ug/l	5.0					
Acenaphthylene	ND	ug/l	5.0					
Anthracene	ND	ug/l	5.0					
Benzo(ghi)perylene	ND	ug/l	5.0					
Fluorene	ND	ug/l	5.0					
Phenanthrene	ND	ug/l	5.0					
Dibenzo(a,h)anthracene	ND	ug/l	5.0					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	7.0					
Pyrene	ND	ug/l	5.0					
Biphenyl	ND	ug/l	5.0					
4-Chloroaniline	ND	ug/l	5.0					
2-Nitroaniline	ND	ug/l	5.0					
3-Nitroaniline	ND	ug/l	5.0					
4-Nitroaniline	ND	ug/l	7.0					
Dibenzofuran	ND	ug/l	5.0					
2-Methylnaphthalene	ND	ug/l	5.0					
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.					
Acetophenone	ND	ug/l	20.					
2,4,6-Trichlorophenol	ND	ug/l	5.0					
P-Chloro-M-Cresol	ND	ug/l	5.0					
2-Chlorophenol	ND	ug/l	6.0					
2,4-Dichlorophenol	ND	ug/l	10.					
2,4-Dimethylphenol	ND	ug/l	10.					
2-Nitrophenol	ND	ug/l	20.					
4-Nitrophenol	ND	ug/l	10.					
2,4-Dinitrophenol	ND	ug/l	30.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	10.					
Phenol	ND	ug/l	7.0					
2-Methylphenol	ND	ug/l	6.0					
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0					
2,4,5-Trichlorophenol	ND	ug/l	5.0					
Benzoic Acid	ND	ug/l	50					
Benzyl Alcohol	ND	ug/l	10.					
Carbazole	ND	ug/l	5.0					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	41.0	%	21-120					
Phenol-d6	28.0	%	10-120					
Nitrobenzene-d5	69.0	%	23-120					
2-Fluorobiphenyl	69.0	%	43-120					
2,4,6-Tribromophenol	91.0	%	10-120					
4-Terphenyl-d14	85.0	%	33-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 11:22	0131 15:13	AK
Acenaphthene	ND	ug/l	0.20					
2-Chloronaphthalene	ND	ug/l	0.20					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-03
MW-3

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0130 11:22	0131 15:13	AK
Fluoranthene	ND	ug/l	0.20					
Hexachlorobutadiene	ND	ug/l	0.50					
Naphthalene	0.36	ug/l	0.20					
Benzo(a)anthracene	ND	ug/l	0.20					
Benzo(a)pyrene	ND	ug/l	0.20					
Benzo(b)fluoranthene	ND	ug/l	0.20					
Benzo(k)fluoranthene	ND	ug/l	0.20					
Chrysene	ND	ug/l	0.20					
Acenaphthylene	ND	ug/l	0.20					
Anthracene	ND	ug/l	0.20					
Benzo(ghi)perylene	ND	ug/l	0.20					
Fluorene	ND	ug/l	0.20					
Phenanthrene	ND	ug/l	0.20					
Dibenzo(a,h)anthracene	ND	ug/l	0.20					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20					
Pyrene	ND	ug/l	0.20					
2-Methylnaphthalene	ND	ug/l	0.20					
Pentachlorophenol	ND	ug/l	0.80					
Hexachlorobenzene	ND	ug/l	0.80					
Hexachloroethane	ND	ug/l	0.80					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	38.0	%	21-120					
Phenol-d6	32.0	%	10-120					
Nitrobenzene-d5	70.0	%	23-120					
2-Fluorobiphenyl	59.0	%	43-120					
2,4,6-Tribromophenol	88.0	%	10-120					
4-Terphenyl-d14	69.0	%	33-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0131 01:49	0202 10:48	SH
Aroclor 1016	ND	ug/l	0.100					
Aroclor 1221	ND	ug/l	0.100					
Aroclor 1232	ND	ug/l	0.100					
Aroclor 1242	ND	ug/l	0.100					
Aroclor 1248	ND	ug/l	0.100					
Aroclor 1254	ND	ug/l	0.100					
Aroclor 1260	ND	ug/l	0.100					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	59.0	%	30-150					
Decachlorobiphenyl	79.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 01:43	0203 15:47	JB
Delta-BHC	ND	ug/l	0.020					
Lindane	ND	ug/l	0.020					
Alpha-BHC	ND	ug/l	0.020					
Beta-BHC	ND	ug/l	0.020					
Heptachlor	ND	ug/l	0.020					
Aldrin	ND	ug/l	0.020					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-03
MW-3

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0131 01:43	0203 15:47	JB
Heptachlor epoxide	ND	ug/l	0.020					
Endrin	ND	ug/l	0.040					
Endrin ketone	ND	ug/l	0.040					
Dieldrin	ND	ug/l	0.040					
4,4'-DDE	ND	ug/l	0.040					
4,4'-DDD	ND	ug/l	0.040					
4,4'-DDT	ND	ug/l	0.040					
Endosulfan I	ND	ug/l	0.020					
Endosulfan II	ND	ug/l	0.040					
Endosulfan sulfate	ND	ug/l	0.040					
Methoxychlor	ND	ug/l	0.200					
trans-Chlordane	ND	ug/l	0.020					
Chlordane	ND	ug/l	0.200					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	60.0	%	30-150					
Decachlorobiphenyl	54.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901107-04
MW-6
Sample Matrix: WATER

Date Collected: 27-JAN-2009 13:30
Date Received : 28-JAN-2009
Date Reported : 04-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 6-Amber,2-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	5.9	mg/l	0.10	1	6010B	0129 11:45	0202 11:54	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0129 11:45	0202 11:54	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:54	AI
Barium, Total	0.226	mg/l	0.010	1	6010B	0129 11:45	0202 11:54	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:54	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:54	AI
Calcium, Total	380	mg/l	0.10	1	6010B	0129 11:45	0202 11:54	AI
Chromium, Total	0.01	mg/l	0.01	1	6010B	0129 11:45	0202 11:54	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 11:54	AI
Copper, Total	0.017	mg/l	0.010	1	6010B	0129 11:45	0202 11:54	AI
Iron, Total	15	mg/l	0.05	1	6010B	0129 11:45	0202 11:54	AI
Lead, Total	0.014	mg/l	0.010	1	6010B	0129 11:45	0202 11:54	AI
Magnesium, Total	54	mg/l	0.10	1	6010B	0129 11:45	0202 11:54	AI
Manganese, Total	0.404	mg/l	0.010	1	6010B	0129 11:45	0202 11:54	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0129 20:30	0130 11:24	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0129 11:45	0202 11:54	AI
Potassium, Total	19	mg/l	2.5	1	6010B	0129 11:45	0202 11:54	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:54	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0129 11:45	0202 11:54	AI
Sodium, Total	20	mg/l	2.0	1	6010B	0129 11:45	0202 11:54	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 11:54	AI
Vanadium, Total	0.011	mg/l	0.010	1	6010B	0129 11:45	0202 11:54	AI
Zinc, Total	0.067	mg/l	0.050	1	6010B	0129 11:45	0202 11:54	AI
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0129 11:45	0202 13:35	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0129 11:45	0202 13:35	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0129 11:45	0202 13:35	AI
Barium, Dissolved	0.172	mg/l	0.010	1	6010B	0129 11:45	0202 13:35	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0129 11:45	0202 13:35	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0129 11:45	0202 13:35	AI
Calcium, Dissolved	380	mg/l	0.10	1	6010B	0129 11:45	0202 13:35	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0129 11:45	0202 13:35	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0129 11:45	0202 13:35	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:35	AI
Iron, Dissolved	0.34	mg/l	0.05	1	6010B	0129 11:45	0202 13:35	AI

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-04
MW-6

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Dissolved Metals								
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:35	AI
Magnesium, Dissolved	54	mg/l	0.10	1	6010B	0129 11:45	0202 13:35	AI
Manganese, Dissolved	0.295	mg/l	0.010	1	6010B	0129 11:45	0202 13:35	AI
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0129 20:30	0130 11:54	DM
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0129 11:45	0202 13:35	AI
Potassium, Dissolved	19	mg/l	2.5	1	6010B	0129 11:45	0202 13:35	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:35	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0129 11:45	0202 13:35	AI
Sodium, Dissolved	21	mg/l	2.0	1	6010B	0129 11:45	0202 13:35	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0129 11:45	0202 13:35	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:35	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0129 11:45	0202 13:35	AI
Volatile Organics by EPA 8260B				1	8260B		0130 11:01	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

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Laboratory Sample Number: L0901107-04
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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0130 11:01	PD
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	0.62	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	4.4	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	108	%	70-130					
Toluene-d8	99.0	%	70-130					
4-Bromofluorobenzene	99.0	%	70-130					
Dibromofluoromethane	103	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0130 11:18	0131 19:10	PS
Acenaphthene	ND	ug/l	5.0					
1,2,4-Trichlorobenzene	ND	ug/l	5.0					
Hexachlorobenzene	ND	ug/l	5.0					
Bis(2-chloroethyl)ether	ND	ug/l	5.0					
2-Chloronaphthalene	ND	ug/l	6.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

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Laboratory Sample Number: L0901107-04
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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 11:18	0131 19:10	PS
1,2-Dichlorobenzene	ND	ug/l	5.0					
1,3-Dichlorobenzene	ND	ug/l	5.0					
1,4-Dichlorobenzene	ND	ug/l	5.0					
3,3'-Dichlorobenzidine	ND	ug/l	50.					
2,4-Dinitrotoluene	ND	ug/l	6.0					
2,6-Dinitrotoluene	ND	ug/l	5.0					
Fluoranthene	ND	ug/l	5.0					
4-Chlorophenyl phenyl ether	ND	ug/l	5.0					
4-Bromophenyl phenyl ether	ND	ug/l	5.0					
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0					
Bis(2-chloroethoxy)methane	ND	ug/l	5.0					
Hexachlorobutadiene	ND	ug/l	10.					
Hexachlorocyclopentadiene	ND	ug/l	30.					
Hexachloroethane	ND	ug/l	5.0					
Isophorone	ND	ug/l	5.0					
Naphthalene	ND	ug/l	5.0					
Nitrobenzene	ND	ug/l	5.0					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.					
n-Nitrosodi-n-propylamine	ND	ug/l	5.0					
Bis(2-Ethylhexyl)phthalate	ND	ug/l	5.0					
Butyl benzyl phthalate	ND	ug/l	5.0					
Di-n-butylphthalate	ND	ug/l	5.0					
Di-n-octylphthalate	ND	ug/l	5.0					
Diethyl phthalate	ND	ug/l	5.0					
Dimethyl phthalate	ND	ug/l	5.0					
Benzo(a)anthracene	ND	ug/l	5.0					
Benzo(a)pyrene	ND	ug/l	5.0					
Benzo(b)fluoranthene	ND	ug/l	5.0					
Benzo(k)fluoranthene	ND	ug/l	5.0					
Chrysene	ND	ug/l	5.0					
Acenaphthylene	ND	ug/l	5.0					
Anthracene	ND	ug/l	5.0					
Benzo(ghi)perylene	ND	ug/l	5.0					
Fluorene	ND	ug/l	5.0					
Phenanthrene	ND	ug/l	5.0					
Dibenzo(a,h)anthracene	ND	ug/l	5.0					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	7.0					
Pyrene	ND	ug/l	5.0					
Biphenyl	ND	ug/l	5.0					
4-Chloroaniline	ND	ug/l	5.0					
2-Nitroaniline	ND	ug/l	5.0					
3-Nitroaniline	ND	ug/l	5.0					
4-Nitroaniline	ND	ug/l	7.0					
Dibenzofuran	ND	ug/l	5.0					
2-Methylnaphthalene	ND	ug/l	5.0					
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.					
Acetophenone	ND	ug/l	20.					
2,4,6-Trichlorophenol	ND	ug/l	5.0					
P-Chloro-M-Cresol	ND	ug/l	5.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

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Laboratory Sample Number: L0901107-04
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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 11:18	0131 19:10	PS
2-Chlorophenol	ND	ug/l	6.0					
2,4-Dichlorophenol	ND	ug/l	10.					
2,4-Dimethylphenol	ND	ug/l	10.					
2-Nitrophenol	ND	ug/l	20.					
4-Nitrophenol	ND	ug/l	10.					
2,4-Dinitrophenol	ND	ug/l	30.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	10.					
Phenol	ND	ug/l	7.0					
2-Methylphenol	ND	ug/l	6.0					
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0					
2,4,5-Trichlorophenol	ND	ug/l	5.0					
Benzoic Acid	ND	ug/l	50.					
Benzyl Alcohol	ND	ug/l	10.					
Carbazole	ND	ug/l	5.0					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	34.0	%	21-120					
Phenol-d6	26.0	%	10-120					
Nitrobenzene-d5	63.0	%	23-120					
2-Fluorobiphenyl	67.0	%	43-120					
2,4,6-Tribromophenol	98.0	%	10-120					
4-Terphenyl-d14	86.0	%	33-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 11:22	0131 15:42	AK
Acenaphthene	3.4	ug/l	0.20					
2-Chloronaphthalene	ND	ug/l	0.20					
Fluoranthene	ND	ug/l	0.20					
Hexachlorobutadiene	ND	ug/l	0.50					
Naphthalene	0.20	ug/l	0.20					
Benzo(a)anthracene	ND	ug/l	0.20					
Benzo(a)pyrene	ND	ug/l	0.20					
Benzo(b)fluoranthene	ND	ug/l	0.20					
Benzo(k)fluoranthene	ND	ug/l	0.20					
Chrysene	ND	ug/l	0.20					
Acenaphthylene	1.3	ug/l	0.20					
Anthracene	0.72	ug/l	0.20					
Benzo(ghi)perylene	ND	ug/l	0.20					
Fluorene	0.31	ug/l	0.20					
Phenanthrene	0.74	ug/l	0.20					
Dibenzo(a,h)anthracene	ND	ug/l	0.20					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20					
Pyrene	0.24	ug/l	0.20					
2-Methylnaphthalene	ND	ug/l	0.20					
Pentachlorophenol	ND	ug/l	0.80					
Hexachlorobenzene	ND	ug/l	0.80					
Hexachloroethane	ND	ug/l	0.80					

Comments: Complete list of References and Glossary of Terms found in Addendum I

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Laboratory Sample Number: L0901107-04
MW-6

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0130 11:22	0131 15:42	AK
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	38.0	%	21-120					
Phenol-d6	30.0	%	10-120					
Nitrobenzene-d5	64.0	%	23-120					
2-Fluorobiphenyl	63.0	%	43-120					
2,4,6-Tribromophenol	88.0	%	10-120					
4-Terphenyl-d14	66.0	%	33-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0131 01:49	0202 11:00	SH
Aroclor 1016	ND	ug/l	0.100					
Aroclor 1221	ND	ug/l	0.100					
Aroclor 1232	ND	ug/l	0.100					
Aroclor 1242	ND	ug/l	0.100					
Aroclor 1248	ND	ug/l	0.100					
Aroclor 1254	ND	ug/l	0.100					
Aroclor 1260	ND	ug/l	0.100					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	63.0	%	30-150					
Decachlorobiphenyl	82.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 01:43	0203 16:01	JB
Delta-BHC	ND	ug/l	0.020					
Lindane	ND	ug/l	0.020					
Alpha-BHC	ND	ug/l	0.020					
Beta-BHC	ND	ug/l	0.020					
Heptachlor	ND	ug/l	0.020					
Aldrin	ND	ug/l	0.020					
Heptachlor epoxide	ND	ug/l	0.020					
Endrin	ND	ug/l	0.040					
Endrin ketone	ND	ug/l	0.040					
Dieldrin	ND	ug/l	0.040					
4,4'-DDE	ND	ug/l	0.040					
4,4'-DDD	ND	ug/l	0.040					
4,4'-DDT	ND	ug/l	0.040					
Endosulfan I	ND	ug/l	0.020					
Endosulfan II	ND	ug/l	0.040					
Endosulfan sulfate	ND	ug/l	0.040					
Methoxychlor	ND	ug/l	0.200					
trans-Chlordane	ND	ug/l	0.020					
Chlordane	ND	ug/l	0.200					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	48.0	%	30-150					
Decachlorobiphenyl	49.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

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MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901107-05
MW-8
Sample Matrix: WATER

Date Collected: 27-JAN-2009 14:30
Date Received : 28-JAN-2009
Date Reported : 04-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 6-Amber,1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	7.0	mg/l	0.10	1	6010B	0129 11:45	0202 11:58	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0129 11:45	0202 11:58	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:58	AI
Barium, Total	0.092	mg/l	0.010	1	6010B	0129 11:45	0202 11:58	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:58	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:58	AI
Calcium, Total	90	mg/l	0.10	1	6010B	0129 11:45	0202 11:58	AI
Chromium, Total	0.01	mg/l	0.01	1	6010B	0129 11:45	0202 11:58	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 11:58	AI
Copper, Total	0.016	mg/l	0.010	1	6010B	0129 11:45	0202 11:58	AI
Iron, Total	15	mg/l	0.05	1	6010B	0129 11:45	0202 11:58	AI
Lead, Total	0.013	mg/l	0.010	1	6010B	0129 11:45	0202 11:58	AI
Magnesium, Total	18	mg/l	0.10	1	6010B	0129 11:45	0202 11:58	AI
Manganese, Total	0.819	mg/l	0.010	1	6010B	0129 11:45	0202 11:58	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0129 20:30	0130 11:25	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0129 11:45	0202 11:58	AI
Potassium, Total	13	mg/l	2.5	1	6010B	0129 11:45	0202 11:58	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:58	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0129 11:45	0202 11:58	AI
Sodium, Total	36	mg/l	2.0	1	6010B	0129 11:45	0202 11:58	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 11:58	AI
Vanadium, Total	0.014	mg/l	0.010	1	6010B	0129 11:45	0202 11:58	AI
Zinc, Total	0.149	mg/l	0.050	1	6010B	0129 11:45	0202 11:58	AI
Volatile Organics by EPA 8260B				1	8260B		0130 11:36	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

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Laboratory Sample Number: L0901107-05
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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0130 11:36	PD
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

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Laboratory Sample Number: L0901107-05
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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0130 11:36	PD
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	97.0	%	70-130					
Toluene-d8	98.0	%	70-130					
4-Bromofluorobenzene	100	%	70-130					
Dibromofluoromethane	97.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0130 11:18	0202 14:45	PS
Acenaphthene	ND	ug/l	5.0					
1,2,4-Trichlorobenzene	ND	ug/l	5.0					
Hexachlorobenzene	ND	ug/l	5.0					
Bis(2-chloroethyl)ether	ND	ug/l	5.0					
2-Chloronaphthalene	ND	ug/l	6.0					
1,2-Dichlorobenzene	ND	ug/l	5.0					
1,3-Dichlorobenzene	ND	ug/l	5.0					
1,4-Dichlorobenzene	ND	ug/l	5.0					
3,3'-Dichlorobenzidine	ND	ug/l	50.					
2,4-Dinitrotoluene	ND	ug/l	6.0					
2,6-Dinitrotoluene	ND	ug/l	5.0					
Fluoranthene	ND	ug/l	5.0					
4-Chlorophenyl phenyl ether	ND	ug/l	5.0					
4-Bromophenyl phenyl ether	ND	ug/l	5.0					
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0					
Bis(2-chloroethoxy)methane	ND	ug/l	5.0					
Hexachlorobutadiene	ND	ug/l	10.					
Hexachlorocyclopentadiene	ND	ug/l	30.					
Hexachloroethane	ND	ug/l	5.0					
Isophorone	ND	ug/l	5.0					
Naphthalene	ND	ug/l	5.0					
Nitrobenzene	ND	ug/l	5.0					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.					
n-Nitrosodi-n-propylamine	ND	ug/l	5.0					
Bis(2-Ethylhexyl)phthalate	ND	ug/l	5.0					
Butyl benzyl phthalate	ND	ug/l	5.0					
Di-n-butylphthalate	ND	ug/l	5.0					
Di-n-octylphthalate	ND	ug/l	5.0					
Diethyl phthalate	ND	ug/l	5.0					
Dimethyl phthalate	ND	ug/l	5.0					
Benzo(a)anthracene	ND	ug/l	5.0					
Benzo(a)pyrene	ND	ug/l	5.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-05
MW-8

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 11:18	0202 14:45	PS
Benzo(b)fluoranthene	ND	ug/l	5.0					
Benzo(k)fluoranthene	ND	ug/l	5.0					
Chrysene	ND	ug/l	5.0					
Acenaphthylene	ND	ug/l	5.0					
Anthracene	ND	ug/l	5.0					
Benzo(ghi)perylene	ND	ug/l	5.0					
Fluorene	ND	ug/l	5.0					
Phenanthrene	ND	ug/l	5.0					
Dibenzo(a,h)anthracene	ND	ug/l	5.0					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	7.0					
Pyrene	ND	ug/l	5.0					
Biphenyl	ND	ug/l	5.0					
4-Chloroaniline	ND	ug/l	5.0					
2-Nitroaniline	ND	ug/l	5.0					
3-Nitroaniline	ND	ug/l	5.0					
4-Nitroaniline	ND	ug/l	7.0					
Dibenzofuran	ND	ug/l	5.0					
2-Methylnaphthalene	ND	ug/l	5.0					
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.					
Acetophenone	ND	ug/l	20					
2,4,6-Trichlorophenol	ND	ug/l	5.0					
P-Chloro-M-Cresol	ND	ug/l	5.0					
2-Chlorophenol	ND	ug/l	6.0					
2,4-Dichlorophenol	ND	ug/l	10.					
2,4-Dimethylphenol	ND	ug/l	10.					
2-Nitrophenol	ND	ug/l	20.					
4-Nitrophenol	ND	ug/l	10.					
2,4-Dinitrophenol	ND	ug/l	30.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	10.					
Phenol	ND	ug/l	7.0					
2-Methylphenol	ND	ug/l	6.0					
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0					
2,4,5-Trichlorophenol	ND	ug/l	5.0					
Benzoic Acid	ND	ug/l	50.					
Benzyl Alcohol	ND	ug/l	10.					
Carbazole	ND	ug/l	5.0					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	48.0	%	21-120					
Phenol-d6	32.0	%	10-120					
Nitrobenzene-d5	77.0	%	23-120					
2-Fluorobiphenyl	81.0	%	43-120					
2,4,6-Tribromophenol	97.0	%	10-120					
4-Terphenyl-d14	90.0	%	33-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 11:22	0131 16:11	AK
Acenaphthene	ND	ug/l	0.20					
2-Chloronaphthalene	ND	ug/l	0.20					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-05
MW-8

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0130 11:22	0131 16:11	AK
Fluoranthene	ND	ug/l	0.20					
Hexachlorobutadiene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	0.20					
Benzo(a)anthracene	ND	ug/l	0.20					
Benzo(a)pyrene	ND	ug/l	0.20					
Benzo(b)fluoranthene	ND	ug/l	0.20					
Benzo(k)fluoranthene	ND	ug/l	0.20					
Chrysene	ND	ug/l	0.20					
Acenaphthylene	ND	ug/l	0.20					
Anthracene	ND	ug/l	0.20					
Benzo(ghi)perylene	ND	ug/l	0.20					
Fluorene	ND	ug/l	0.20					
Phenanthrene	0.23	ug/l	0.20					
Dibenzo(a,h)anthracene	ND	ug/l	0.20					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20					
Pyrene	ND	ug/l	0.20					
2-Methylnaphthalene	ND	ug/l	0.20					
Pentachlorophenol	ND	ug/l	0.80					
Hexachlorobenzene	ND	ug/l	0.80					
Hexachloroethane	ND	ug/l	0.80					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	42.0	%	21-120					
Phenol-d6	36.0	%	10-120					
Nitrobenzene-d5	75.0	%	23-120					
2-Fluorobiphenyl	63.0	%	43-120					
2,4,6-Tribromophenol	74.0	%	10-120					
4-Terphenyl-d14	71.0	%	33-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0131 01:49	0202 11:12	SH
Aroclor 1016	ND	ug/l	0.100					
Aroclor 1221	ND	ug/l	0.100					
Aroclor 1232	ND	ug/l	0.100					
Aroclor 1242	ND	ug/l	0.100					
Aroclor 1248	ND	ug/l	0.100					
Aroclor 1254	ND	ug/l	0.100					
Aroclor 1260	ND	ug/l	0.100					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	62.0	%	30-150					
Decachlorobiphenyl	83.0	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 01:43	0203 16:14	JB
Delta-BHC	ND	ug/l	0.020					
Lindane	ND	ug/l	0.020					
Alpha-BHC	ND	ug/l	0.020					
Beta-BHC	ND	ug/l	0.020					
Heptachlor	ND	ug/l	0.020					
Aldrin	ND	ug/l	0.020					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-05
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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0131 01:43	0203 16:14	JB
Heptachlor epoxide	ND	ug/l	0.020					
Endrin	ND	ug/l	0.040					
Endrin ketone	ND	ug/l	0.040					
Dieldrin	ND	ug/l	0.040					
4,4'-DDE	ND	ug/l	0.040					
4,4'-DDD	ND	ug/l	0.040					
4,4'-DDT	ND	ug/l	0.040					
Endosulfan I	ND	ug/l	0.020					
Endosulfan II	ND	ug/l	0.040					
Endosulfan sulfate	ND	ug/l	0.040					
Methoxychlor	ND	ug/l	0.200					
trans-Chlordane	ND	ug/l	0.020					
Chlordane	ND	ug/l	0.200					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	52.0	%	30-150					
Decachlorobiphenyl	60.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901107-06
TRIP BLANK
Sample Matrix: WATER

Date Collected: 27-JAN-2009 15:00
Date Received : 28-JAN-2009
Date Reported : 04-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1	8260B		0129 18:16	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-06
TRIP BLANK

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 18:16	PD
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	94.0	%	70-130
Toluene-d8	100	%	70-130
4-Bromofluorobenzene	99.0	%	70-130
Dibromofluoromethane	95.0	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0901107-07
FB-1
Sample Matrix: WATER

Date Collected: 28-JAN-2009 08:30
Date Received : 28-JAN-2009
Date Reported : 04-FEB-2009

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 6-Amber,1-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0129 11:45	0202 12:02	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0129 11:45	0202 12:02	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 12:02	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 12:02	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 12:02	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 12:02	AI
Calcium, Total	0.10	mg/l	0.10	1	6010B	0129 11:45	0202 12:02	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0129 11:45	0202 12:02	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 12:02	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 12:02	AI
Iron, Total	0.10	mg/l	0.05	1	6010B	0129 11:45	0202 12:02	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 12:02	AI
Magnesium, Total	ND	mg/l	0.10	1	6010B	0129 11:45	0202 12:02	AI
Manganese, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 12:02	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0129 20:30	0130 11:27	DM
Nickel, Total	ND	mg/l	0.025	1	6010B	0129 11:45	0202 12:02	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0129 11:45	0202 12:02	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 12:02	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0129 11:45	0202 12:02	AI
Sodium, Total	ND	mg/l	2.0	1	6010B	0129 11:45	0202 12:02	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 12:02	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 12:02	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0129 11:45	0202 12:02	AI
Volatile Organics by EPA 8260B				1	8260B		0129 18:51	PD
Methylene chloride	14	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-07
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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 18:51	PD
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	6.3	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-07
FB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 18:51	PD
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	93.0	%	70-130					
Toluene-d8	98.0	%	70-130					
4-Bromofluorobenzene	98.0	%	70-130					
Dibromofluoromethane	98.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0130 11:18	0131 19:57	PS
Acenaphthene	ND	ug/l	5.0					
1,2,4-Trichlorobenzene	ND	ug/l	5.0					
Hexachlorobenzene	ND	ug/l	5.0					
Bis(2-chloroethyl)ether	ND	ug/l	5.0					
2-Chloronaphthalene	ND	ug/l	6.0					
1,2-Dichlorobenzene	ND	ug/l	5.0					
1,3-Dichlorobenzene	ND	ug/l	5.0					
1,4-Dichlorobenzene	ND	ug/l	5.0					
3,3'-Dichlorobenzidine	ND	ug/l	50.					
2,4-Dinitrotoluene	ND	ug/l	6.0					
2,6-Dinitrotoluene	ND	ug/l	5.0					
Fluoranthene	ND	ug/l	5.0					
4-Chlorophenyl phenyl ether	ND	ug/l	5.0					
4-Bromophenyl phenyl ether	ND	ug/l	5.0					
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0					
Bis(2-chloroethoxy)methane	ND	ug/l	5.0					
Hexachlorobutadiene	ND	ug/l	10.					
Hexachlorocyclopentadiene	ND	ug/l	30.					
Hexachloroethane	ND	ug/l	5.0					
Isophorone	ND	ug/l	5.0					
Naphthalene	ND	ug/l	5.0					
Nitrobenzene	ND	ug/l	5.0					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.					
n-Nitrosodi-n-propylamine	ND	ug/l	5.0					
Bis(2-Ethylhexyl)phthalate	ND	ug/l	5.0					
Butyl benzyl phthalate	ND	ug/l	5.0					
Di-n-butylphthalate	ND	ug/l	5.0					
Di-n-octylphthalate	ND	ug/l	5.0					
Diethyl phthalate	ND	ug/l	5.0					
Dimethyl phthalate	ND	ug/l	5.0					
Benzo(a)anthracene	ND	ug/l	5.0					
Benzo(a)pyrene	ND	ug/l	5.0					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-07
FB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 11:18	0131 19:57	PS
Benzo(b)fluoranthene	ND	ug/l	5.0					
Benzo(k)fluoranthene	ND	ug/l	5.0					
Chrysene	ND	ug/l	5.0					
Acenaphthylene	ND	ug/l	5.0					
Anthracene	ND	ug/l	5.0					
Benzo(ghi)perylene	ND	ug/l	5.0					
Fluorene	ND	ug/l	5.0					
Phenanthrene	ND	ug/l	5.0					
Dibenzo(a,h)anthracene	ND	ug/l	5.0					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	7.0					
Pyrene	ND	ug/l	5.0					
Biphenyl	ND	ug/l	5.0					
4-Chloroaniline	ND	ug/l	5.0					
2-Nitroaniline	ND	ug/l	5.0					
3-Nitroaniline	ND	ug/l	5.0					
4-Nitroaniline	ND	ug/l	7.0					
Dibenzofuran	ND	ug/l	5.0					
2-Methylnaphthalene	ND	ug/l	5.0					
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.					
Acetophenone	ND	ug/l	20.					
2,4,6-Trichlorophenol	ND	ug/l	5.0					
P-Chloro-M-Cresol	ND	ug/l	5.0					
2-Chlorophenol	ND	ug/l	6.0					
2,4-Dichlorophenol	ND	ug/l	10.					
2,4-Dimethylphenol	ND	ug/l	10.					
2-Nitrophenol	ND	ug/l	20.					
4-Nitrophenol	ND	ug/l	10.					
2,4-Dinitrophenol	ND	ug/l	30.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	10.					
Phenol	ND	ug/l	7.0					
2-Methylphenol	ND	ug/l	6.0					
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0					
2,4,5-Trichlorophenol	ND	ug/l	5.0					
Benzoic Acid	ND	ug/l	50.					
Benzyl Alcohol	ND	ug/l	10.					
Carbazole	ND	ug/l	5.0					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	42.0	%	21-120					
Phenol-d6	28.0	%	10-120					
Nitrobenzene-d5	69.0	%	23-120					
2-Fluorobiphenyl	73.0	%	43-120					
2,4,6-Tribromophenol	92.0	%	10-120					
4-Terphenyl-d14	87.0	%	33-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 11:22	0131 16:39	AK
Acenaphthene	ND	ug/l	0.20					
2-Chloronaphthalene	ND	ug/l	0.20					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-07
FB-1

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0130 11:22	0131 16:39	AK
Fluoranthene	ND	ug/l	0.20					
Hexachlorobutadiene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	0.20					
Benzo(a)anthracene	ND	ug/l	0.20					
Benzo(a)pyrene	ND	ug/l	0.20					
Benzo(b)fluoranthene	ND	ug/l	0.20					
Benzo(k)fluoranthene	ND	ug/l	0.20					
Chrysene	ND	ug/l	0.20					
Acenaphthylene	ND	ug/l	0.20					
Anthracene	ND	ug/l	0.20					
Benzo(ghi)perylene	ND	ug/l	0.20					
Fluorene	ND	ug/l	0.20					
Phenanthrene	ND	ug/l	0.20					
Dibenzo(a,h)anthracene	ND	ug/l	0.20					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20					
Pyrene	ND	ug/l	0.20					
2-Methylnaphthalene	ND	ug/l	0.20					
Pentachlorophenol	ND	ug/l	0.80					
Hexachlorobenzene	ND	ug/l	0.80					
Hexachloroethane	ND	ug/l	0.80					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	40.0	%	21-120					
Phenol-d6	31.0	%	10-120					
Nitrobenzene-d5	71.0	%	23-120					
2-Fluorobiphenyl	60.0	%	43-120					
2,4,6-Tribromophenol	74.0	%	10-120					
4-Terphenyl-d14	65.0	%	33-120					
Polychlorinated Biphenyls by EPA 8082				1	8082	0131 01:49	0202 11:24	SH
Aroclor 1016	ND	ug/l	0.100					
Aroclor 1221	ND	ug/l	0.100					
Aroclor 1232	ND	ug/l	0.100					
Aroclor 1242	ND	ug/l	0.100					
Aroclor 1248	ND	ug/l	0.100					
Aroclor 1254	ND	ug/l	0.100					
Aroclor 1260	ND	ug/l	0.100					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	69.0	%	30-150					
Decachlorobiphenyl	129	%	30-150					
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 01:43	0203 16:27	JB
Delta-BHC	ND	ug/l	0.020					
Lindane	ND	ug/l	0.020					
Alpha-BHC	ND	ug/l	0.020					
Beta-BHC	ND	ug/l	0.020					
Heptachlor	ND	ug/l	0.020					
Aldrin	ND	ug/l	0.020					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0901107-07
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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0131 01:43	0203 16:27	JB
Heptachlor epoxide	ND	ug/l	0.020					
Endrin	ND	ug/l	0.040					
Endrin ketone	ND	ug/l	0.040					
Dieldrin	ND	ug/l	0.040					
4,4'-DDE	ND	ug/l	0.040					
4,4'-DDD	ND	ug/l	0.040					
4,4'-DDT	ND	ug/l	0.040					
Endosulfan I	ND	ug/l	0.020					
Endosulfan II	ND	ug/l	0.040					
Endosulfan sulfate	ND	ug/l	0.040					
Methoxychlor	ND	ug/l	0.200					
trans-Chlordane	ND	ug/l	0.020					
Chlordane	ND	ug/l	0.200					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	59.0	%	30-150					
Decachlorobiphenyl	55.0	%	30-150					

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0901107

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Total Metals for sample(s) 01-05,07 (L0901107-02, WG351357-3)					
Aluminum, Total	0.97	0.98	mg/l	1	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	0.129	0.128	mg/l	1	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	120	120	mg/l	0	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	ND	ND	mg/l	NC	20
Iron, Total	5.3	5.3	mg/l	0	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	17	17	mg/l	0	20
Manganese, Total	0.604	0.600	mg/l	1	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	17	17	mg/l	0	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	100	100	mg/l	0	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals for sample(s) 01-05,07 (L0900001-62, WG351411-3)					
Mercury, Total	0.0002	ND	mg/l	NC	20
Dissolved Metals for sample(s) 01-02,04 (L0901107-01, WG351356-3)					
Aluminum, Dissolved	ND	ND	mg/l	NC	20
Antimony, Dissolved	ND	ND	mg/l	NC	20
Arsenic, Dissolved	ND	ND	mg/l	NC	20
Barium, Dissolved	0.047	0.048	mg/l	1	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	150	150	mg/l	0	20
Chromium, Dissolved	ND	ND	mg/l	NC	20
Cobalt, Dissolved	ND	ND	mg/l	NC	20
Copper, Dissolved	0.012	0.013	mg/l	4	20
Iron, Dissolved	ND	ND	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	15	15	mg/l	0	20
Manganese, Dissolved	0.111	0.112	mg/l	1	20
Nickel, Dissolved	ND	ND	mg/l	NC	20
Potassium, Dissolved	8.4	8.3	mg/l	1	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	25	25	mg/l	0	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0901107

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Dissolved Metals for sample(s) 01-02,04 (L0901107-01, WG351356-3)					
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals for sample(s) 01-02,04 (L0901107-04, WG351408-3)					
Mercury, Dissolved	ND	ND	mg/l	NC	20

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0901107

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 01-05,07 (WG351357-2)		
Aluminum, Total	105	80-120
Antimony, Total	108	80-120
Arsenic, Total	110	80-120
Barium, Total	102	80-120
Beryllium, Total	105	80-120
Cadmium, Total	112	80-120
Calcium, Total	98	80-120
Chromium, Total	105	80-120
Cobalt, Total	104	80-120
Copper, Total	101	80-120
Iron, Total	100	80-120
Lead, Total	104	80-120
Magnesium, Total	100	80-120
Manganese, Total	102	80-120
Nickel, Total	103	80-120
Potassium, Total	98	80-120
Selenium, Total	114	80-120
Silver, Total	108	80-120
Sodium, Total	97	80-120
Thallium, Total	105	80-120
Vanadium, Total	105	80-120
Zinc, Total	107	80-120
Total Metals LCS for sample(s) 01-05,07 (WG351411-2)		
Mercury, Total	98	80-120
Dissolved Metals LCS for sample(s) 01-02,04 (WG351356-2)		
Aluminum, Dissolved	105	80-120
Antimony, Dissolved	105	80-120
Arsenic, Dissolved	108	80-120
Barium, Dissolved	100	80-120
Beryllium, Dissolved	104	80-120
Cadmium, Dissolved	112	80-120
Calcium, Dissolved	98	80-120
Chromium, Dissolved	105	80-120
Cobalt, Dissolved	103	80-120
Copper, Dissolved	99	80-120
Iron, Dissolved	100	80-120
Lead, Dissolved	102	80-120
Magnesium, Dissolved	100	80-120
Manganese, Dissolved	101	80-120
Nickel, Dissolved	102	80-120
Potassium, Dissolved	96	80-120
Selenium, Dissolved	111	80-120
Silver, Dissolved	107	80-120
Sodium, Dissolved	96	80-120
Thallium, Dissolved	102	80-120
Vanadium, Dissolved	105	80-120

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0901107

Continued

Parameter	% Recovery	QC Criteria
Dissolved Metals LCS for sample(s) 01-02,04 (WG351356-2)		
Zinc, Dissolved	107	80-120
Dissolved Metals LCS for sample(s) 01-02,04 (WG351408-2)		
Mercury, Dissolved	97	70-130
Total Metals SPIKE for sample(s) 01-05,07 (L0901107-02, WG351357-4)		
Aluminum, Total	106	75-125
Antimony, Total	109	75-125
Arsenic, Total	108	75-125
Barium, Total	102	75-125
Beryllium, Total	103	75-125
Cadmium, Total	108	75-125
Calcium, Total	100	75-125
Chromium, Total	100	75-125
Cobalt, Total	101	75-125
Copper, Total	104	75-125
Iron, Total	70	75-125
Lead, Total	95	75-125
Magnesium, Total	90	75-125
Manganese, Total	95	75-125
Nickel, Total	102	75-125
Potassium, Total	100	75-125
Selenium, Total	109	75-125
Silver, Total	109	75-125
Sodium, Total	100	75-125
Thallium, Total	90	75-125
Vanadium, Total	105	75-125
Zinc, Total	107	75-125
Total Metals SPIKE for sample(s) 01-05,07 (L0900001-62, WG351411-4)		
Mercury, Total	118	70-130
Dissolved Metals SPIKE for sample(s) 01-02,04 (L0901107-01, WG351356-4)		
Aluminum, Dissolved	105	75-125
Antimony, Dissolved	106	75-125
Arsenic, Dissolved	112	75-125
Barium, Dissolved	100	75-125
Beryllium, Dissolved	102	75-125
Cadmium, Dissolved	109	75-125
Calcium, Dissolved	200	75-125
Chromium, Dissolved	105	75-125
Cobalt, Dissolved	100	75-125
Copper, Dissolved	100	75-125
Iron, Dissolved	100	75-125
Lead, Dissolved	99	75-125
Magnesium, Dissolved	110	75-125
Manganese, Dissolved	100	75-125
Nickel, Dissolved	101	75-125

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0901107

Continued

Parameter	% Recovery	QC Criteria
Dissolved Metals SPIKE for sample(s) 01-02,04 (L0901107-01, WG351356-4)		
Potassium, Dissolved	96	75-125
Selenium, Dissolved	113	75-125
Silver, Dissolved	106	75-125
Sodium, Dissolved	100	75-125
Thallium, Dissolved	96	75-125
Vanadium, Dissolved	105	75-125
Zinc, Dissolved	105	75-125
Dissolved Metals SPIKE for sample(s) 01-02,04 (L0901107-04, WG351408-4)		
Mercury, Dissolved	115	70-130

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0901107

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by EPA 8260B for sample(s) 01-05 (WG351489-1, WG351489-2)					
Chlorobenzene	104	104	0	20	75-130
Benzene	103	102	1	20	76-127
Toluene	108	104	4	20	76-125
1,1-Dichloroethene	101	94	7	20	61-145
Trichloroethene	98	94	4	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	106	103	3		70-130
Toluene-d8	100	98	2		70-130
4-Bromofluorobenzene	101	100	1		70-130
Dibromofluoromethane	102	105	3		70-130
Volatile Organics by EPA 8260B for sample(s) 06-07 (WG351443-1, WG351443-2)					
Chlorobenzene	100	102	2	20	75-130
Benzene	97	97	0	20	76-127
Toluene	101	101	0	20	76-125
1,1-Dichloroethene	89	87	2	20	61-145
Trichloroethene	91	91	0	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	102	101	1		70-130
Toluene-d8	98	98	0		70-130
4-Bromofluorobenzene	99	100	1		70-130
Dibromofluoromethane	100	102	2		70-130
Semivolatile Organics by EPA 8270C for sample(s) 01-05,07 (WG351478-2, WG351478-3)					
Acenaphthene	81	77	5	30	46-118
1,2,4-Trichlorobenzene	60	60	0	30	39-98
2-Chloronaphthalene	83	79	5	30	40-140
1,2-Dichlorobenzene	65	62	5	30	40-140
1,4-Dichlorobenzene	61	58	5	30	36-97
2,4-Dinitrotoluene	106	101	5	30	24-96
2,6-Dinitrotoluene	106	98	8	30	40-140
Fluoranthene	109	106	3	30	40-140
4-Chlorophenyl phenyl ether	88	84	5	30	40-140
n-Nitrosodi-n-propylamine	74	67	10	30	41-116
Butyl benzyl phthalate	104	101	3	30	40-140
Anthracene	80	77	4	30	40-140
Pyrene	103	99	4	30	26-127
P-Chloro-M-Cresol	92	84	9	30	23-97
2-Chlorophenol	77	69	11	30	27-123
2-Nitrophenol	92	84	9	30	30-130
4-Nitrophenol	58	59	2	30	10-80
2,4-Dinitrophenol	107	106	1	30	30-130
Pentachlorophenol	103	101	2	30	9-103
Phenol	36	33	9	30	12-110

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0901107

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Semivolatile Organics by EPA 8270C for sample(s) 01-05,07 (WG351478-2, WG351478-3)					
Surrogate(s)					
2-Fluorophenol	53	47	12		21-120
Phenol-d6	38	35	8		10-120
Nitrobenzene-d5	88	79	11		23-120
2-Fluorobiphenyl	87	81	7		43-120
2,4,6-Tribromophenol	101	95	6		10-120
4-Terphenyl-d14	107	103	4		33-120
Semivolatile Organics by EPA 8270C-SIM for sample(s) 01-05,07 (WG351481-2, WG351481-3)					
Acenaphthene	55	64	15		46-118
2-Chloronaphthalene	57	63	10		40-140
Fluoranthene	64	75	16		40-140
Anthracene	57	61	7		40-140
Pyrene	64	76	17		26-127
Pentachlorophenol	65	79	19		9-103
Surrogate(s)					
2-Fluorophenol	43	44	2		21-120
Phenol-d6	31	36	15		10-120
Nitrobenzene-d5	67	69	3		23-120
2-Fluorobiphenyl	51	58	13		43-120
2,4,6-Tribromophenol	72	77	7		10-120
4-Terphenyl-d14	61	75	21		33-120
Polychlorinated Biphenyls by EPA 8082 for sample(s) 01-05,07 (WG351551-2, WG351551-3)					
Aroclor 1016	67	82	21	30	40-140
Aroclor 1260	101	101	0	30	40-140
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	41	52	24		30-150
Decachlorobiphenyl	62	61	2		30-150
Organochlorine Pesticides by EPA 8081A for sample(s) 01-05,07 (WG351550-2, WG351550-3)					
Delta-BHC	69	80	16	20	30-150
Lindane	84	98	16	20	30-150
Alpha-BHC	75	87	15	20	30-150
Beta-BHC	76	87	14	20	30-150
Heptachlor	73	81	10	20	30-150
Aldrin	61	66	8	20	30-150
Heptachlor epoxide	87	100	14	20	30-150
Endrin	80	96	18	20	30-150
Endrin ketone	98	113	14	20	30-150
Dieldrin	87	103	17	20	30-150
4,4'-DDE	75	87	15	20	30-150
4,4'-DDD	94	111	17	20	30-150
4,4'-DDT	98	114	15	20	30-150

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0901107

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Organochlorine Pesticides by EPA 8081A for sample(s) 01-05,07 (WG351550-2, WG351550-3)					
Endosulfan I	83	98	17	20	30-150
Endosulfan II	90	103	14	20	30-150
Endosulfan sulfate	83	98	17	20	30-150
Methoxychlor	99	112	12	20	30-150
trans-Chlordane	82	92	12	20	30-150
Surrogate(s)					
2,4,5,6-Tetrachloro-m-xylene	55	60	9		30-150
Decachlorobiphenyl	45	54	18		30-150

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0901107

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-05,07 (WG351357-1)								
Total Metals								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0129 11:45	0202 11:07	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0129 11:45	0202 11:07	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:07	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:07	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:07	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0129 11:45	0202 11:07	AI
Calcium, Total	ND	mg/l	0.10	1	6010B	0129 11:45	0202 11:07	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0129 11:45	0202 11:07	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 11:07	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:07	AI
Iron, Total	ND	mg/l	0.05	1	6010B	0129 11:45	0202 11:07	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:07	AI
Magnesium, Total	ND	mg/l	0.10	1	6010B	0129 11:45	0202 11:07	AI
Manganese, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:07	AI
Nickel, Total	ND	mg/l	0.025	1	6010B	0129 11:45	0202 11:07	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0129 11:45	0202 11:07	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:07	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0129 11:45	0202 11:07	AI
Sodium, Total	ND	mg/l	2.0	1	6010B	0129 11:45	0202 11:07	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0129 11:45	0202 11:07	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0129 11:45	0202 11:07	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0129 11:45	0202 11:07	AI
Blank Analysis for sample(s) 01-05,07 (WG351411-1)								
Total Metals								
Mercury, Total	ND	mg/l	0.0002	1	7470A	0129 20:30	0130 11:11	DM
Blank Analysis for sample(s) 01-02,04 (WG351356-1)								
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0129 11:45	0202 13:05	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0129 11:45	0202 13:05	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0129 11:45	0202 13:05	AI
Barium, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:05	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0129 11:45	0202 13:05	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0129 11:45	0202 13:05	AI
Calcium, Dissolved	ND	mg/l	0.10	1	6010B	0129 11:45	0202 13:05	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0129 11:45	0202 13:05	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0129 11:45	0202 13:05	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:05	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0129 11:45	0202 13:05	AI
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:05	AI
Magnesium, Dissolved	ND	mg/l	0.10	1	6010B	0129 11:45	0202 13:05	AI
Manganese, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:05	AI

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QUALITY ASSURANCE BATCH BLANK ANALYSIS

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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-02,04 (WG351356-1)								
Dissolved Metals								
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0129 11:45	0202 13:05	AI
Potassium, Dissolved	ND	mg/l	2.5	1	6010B	0129 11:45	0202 13:05	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:05	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0129 11:45	0202 13:05	AI
Sodium, Dissolved	ND	mg/l	2.0	1	6010B	0129 11:45	0202 13:05	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0129 11:45	0202 13:05	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0129 11:45	0202 13:05	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0129 11:45	0202 13:05	AI
Blank Analysis for sample(s) 01-02,04 (WG351408-1)								
Dissolved Metals								
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0129 20:30	0130 11:45	DM
Blank Analysis for sample(s) 06-07 (WG351443-3)								
Volatile Organics by EPA 8260B				1	8260B		0129 08:55	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					

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QUALITY ASSURANCE BATCH BLANK ANALYSIS

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 06-07 (WG351443-3)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0129 08:55	PD
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	102	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	102	%	70-130				

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 06-07 (WG351443-3)								
Volatile Organics by EPA 8260B cont'd				1	8260B		0129 08:55	PD
Dibromofluoromethane	98.0	%	70-130					
Blank Analysis for sample(s) 01-05 (WG351489-3)								
Volatile Organics by EPA 8260B				1	8260B		0130 08:41	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	ND	ug/l	0.75					
Carbon tetrachloride	ND	ug/l	0.50					
1,2-Dichloropropane	ND	ug/l	1.8					
Dibromochloromethane	ND	ug/l	0.50					
1,1,2-Trichloroethane	ND	ug/l	0.75					
Tetrachloroethene	ND	ug/l	0.50					
Chlorobenzene	ND	ug/l	0.50					
Trichlorofluoromethane	ND	ug/l	2.5					
1,2-Dichloroethane	ND	ug/l	0.50					
1,1,1-Trichloroethane	ND	ug/l	0.50					
Bromodichloromethane	ND	ug/l	0.50					
trans-1,3-Dichloropropene	ND	ug/l	0.50					
cis-1,3-Dichloropropene	ND	ug/l	0.50					
1,1-Dichloropropene	ND	ug/l	2.5					
Bromoform	ND	ug/l	2.0					
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50					
Benzene	ND	ug/l	0.50					
Toluene	ND	ug/l	0.75					
Ethylbenzene	ND	ug/l	0.50					
Chloromethane	ND	ug/l	2.5					
Bromomethane	ND	ug/l	1.0					
Vinyl chloride	ND	ug/l	1.0					
Chloroethane	ND	ug/l	1.0					
1,1-Dichloroethene	ND	ug/l	0.50					
trans-1,2-Dichloroethene	ND	ug/l	0.75					
Trichloroethene	ND	ug/l	0.50					
1,2-Dichlorobenzene	ND	ug/l	2.5					
1,3-Dichlorobenzene	ND	ug/l	2.5					
1,4-Dichlorobenzene	ND	ug/l	2.5					
Methyl tert butyl ether	ND	ug/l	1.0					
p/m-Xylene	ND	ug/l	1.0					
o-Xylene	ND	ug/l	1.0					
cis-1,2-Dichloroethene	ND	ug/l	0.50					
Dibromomethane	ND	ug/l	5.0					
1,2,3-Trichloropropane	ND	ug/l	5.0					
Acrylonitrile	ND	ug/l	5.0					
Styrene	ND	ug/l	1.0					
Dichlorodifluoromethane	ND	ug/l	5.0					
Acetone	ND	ug/l	5.0					
Carbon disulfide	ND	ug/l	5.0					

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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-05 (WG351489-3)								
Volatile Organics by EPA 8260B cont'd				1	8260B	0130 08:41		PD
2-Butanone	ND	ug/l	5.0					
Vinyl acetate	ND	ug/l	5.0					
4-Methyl-2-pentanone	ND	ug/l	5.0					
2-Hexanone	ND	ug/l	5.0					
Bromochloromethane	ND	ug/l	2.5					
2,2-Dichloropropane	ND	ug/l	2.5					
1,2-Dibromoethane	ND	ug/l	2.0					
1,3-Dichloropropane	ND	ug/l	2.5					
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50					
Bromobenzene	ND	ug/l	2.5					
n-Butylbenzene	ND	ug/l	0.50					
sec-Butylbenzene	ND	ug/l	0.50					
tert-Butylbenzene	ND	ug/l	2.5					
o-Chlorotoluene	ND	ug/l	2.5					
p-Chlorotoluene	ND	ug/l	2.5					
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5					
Hexachlorobutadiene	ND	ug/l	0.60					
Isopropylbenzene	ND	ug/l	0.50					
p-Isopropyltoluene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	2.5					
n-Propylbenzene	ND	ug/l	0.50					
1,2,3-Trichlorobenzene	ND	ug/l	2.5					
1,2,4-Trichlorobenzene	ND	ug/l	2.5					
1,3,5-Trimethylbenzene	ND	ug/l	2.5					
1,2,4-Trimethylbenzene	ND	ug/l	2.5					
1,4-Diethylbenzene	ND	ug/l	2.0					
4-Ethyltoluene	ND	ug/l	2.0					
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	100	%	70-130					
Toluene-d8	99.0	%	70-130					
4-Bromofluorobenzene	99.0	%	70-130					
Dibromofluoromethane	100	%	70-130					
Blank Analysis for sample(s) 01-05,07 (WG351478-1)								
Semivolatile Organics by EPA 8270C				1	8270C	0130 11:18	0131 16:52	PS
Acenaphthene	ND	ug/l	5.0					
1,2,4-Trichlorobenzene	ND	ug/l	5.0					
Hexachlorobenzene	ND	ug/l	5.0					
Bis(2-chloroethyl)ether	ND	ug/l	5.0					
2-Chloronaphthalene	ND	ug/l	6.0					
1,2-Dichlorobenzene	ND	ug/l	5.0					
1,3-Dichlorobenzene	ND	ug/l	5.0					
1,4-Dichlorobenzene	ND	ug/l	5.0					
3,3'-Dichlorobenzidine	ND	ug/l	50.					

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QUALITY ASSURANCE BATCH BLANK ANALYSIS

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PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-05,07 (WG351478-1)							
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0130 11:18	0131 16:52	PS
2,4-Dinitrotoluene	ND	ug/l	6.0				
2,6-Dinitrotoluene	ND	ug/l	5.0				
Fluoranthene	ND	ug/l	5.0				
4-Chlorophenyl phenyl ether	ND	ug/l	5.0				
4-Bromophenyl phenyl ether	ND	ug/l	5.0				
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0				
Bis(2-chloroethoxy)methane	ND	ug/l	5.0				
Hexachlorobutadiene	ND	ug/l	10.				
Hexachlorocyclopentadiene	ND	ug/l	30.				
Hexachloroethane	ND	ug/l	5.0				
Isophorone	ND	ug/l	5.0				
Naphthalene	ND	ug/l	5.0				
Nitrobenzene	ND	ug/l	5.0				
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	5.0				
Bis(2-Ethylhexyl)phthalate	ND	ug/l	5.0				
Butyl benzyl phthalate	ND	ug/l	5.0				
Di-n-butylphthalate	ND	ug/l	5.0				
Di-n-octylphthalate	ND	ug/l	5.0				
Diethyl phthalate	ND	ug/l	5.0				
Dimethyl phthalate	ND	ug/l	5.0				
Benzo(a)anthracene	ND	ug/l	5.0				
Benzo(a)pyrene	ND	ug/l	5.0				
Benzo(b)fluoranthene	ND	ug/l	5.0				
Benzo(k)fluoranthene	ND	ug/l	5.0				
Chrysene	ND	ug/l	5.0				
Acenaphthylene	ND	ug/l	5.0				
Anthracene	ND	ug/l	5.0				
Benzo(ghi)perylene	ND	ug/l	5.0				
Fluorene	ND	ug/l	5.0				
Phenanthrene	ND	ug/l	5.0				
Dibenzo(a,h)anthracene	ND	ug/l	5.0				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	7.0				
Pyrene	ND	ug/l	5.0				
Biphenyl	ND	ug/l	5.0				
4-Chloroaniline	ND	ug/l	5.0				
2-Nitroaniline	ND	ug/l	5.0				
3-Nitroaniline	ND	ug/l	5.0				
4-Nitroaniline	ND	ug/l	7.0				
Dibenzofuran	ND	ug/l	5.0				
2-Methylnaphthalene	ND	ug/l	5.0				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Acetophenone	ND	ug/l	20.				
2,4,6-Trichlorophenol	ND	ug/l	5.0				
P-Chloro-M-Cresol	ND	ug/l	5.0				
2-Chlorophenol	ND	ug/l	6.0				

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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-05,07 (WG351478-1)								
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0130 11:18	0131 16:52	PS
2,4-Dichlorophenol	ND	ug/l	10.					
2,4-Dimethylphenol	ND	ug/l	10.					
2-Nitrophenol	ND	ug/l	20.					
4-Nitrophenol	ND	ug/l	10.					
2,4-Dinitrophenol	ND	ug/l	30.					
4,6-Dinitro-o-cresol	ND	ug/l	20.					
Pentachlorophenol	ND	ug/l	10.					
Phenol	ND	ug/l	7.0					
2-Methylphenol	ND	ug/l	6.0					
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0					
2,4,5-Trichlorophenol	ND	ug/l	5.0					
Benzoic Acid	ND	ug/l	50.					
Benzyl Alcohol	ND	ug/l	10.					
Carbazole	ND	ug/l	5.0					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	35.0	%	21-120					
Phenol-d6	25.0	%	10-120					
Nitrobenzene-d5	56.0	%	23-120					
2-Fluorobiphenyl	57.0	%	43-120					
2,4,6-Tribromophenol	65.0	%	10-120					
4-Terphenyl-d14	90.0	%	33-120					
Blank Analysis for sample(s) 01-05,07 (WG351481-1)								
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0130 11:22	0202 17:32	AK
Acenaphthene	ND	ug/l	0.20					
2-Chloronaphthalene	ND	ug/l	0.20					
Fluoranthene	ND	ug/l	0.20					
Hexachlorobutadiene	ND	ug/l	0.50					
Naphthalene	ND	ug/l	0.20					
Benzo(a)anthracene	ND	ug/l	0.20					
Benzo(a)pyrene	ND	ug/l	0.20					
Benzo(b)fluoranthene	ND	ug/l	0.20					
Benzo(k)fluoranthene	ND	ug/l	0.20					
Chrysene	ND	ug/l	0.20					
Acenaphthylene	ND	ug/l	0.20					
Anthracene	ND	ug/l	0.20					
Benzo(ghi)perylene	ND	ug/l	0.20					
Fluorene	ND	ug/l	0.20					
Phenanthrene	ND	ug/l	0.20					
Dibenzo(a,h)anthracene	ND	ug/l	0.20					
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20					
Pyrene	ND	ug/l	0.20					
2-Methylnaphthalene	ND	ug/l	0.20					
Pentachlorophenol	ND	ug/l	0.80					
Hexachlorobenzene	ND	ug/l	0.80					

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QUALITY ASSURANCE BATCH BLANK ANALYSIS

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PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-05,07 (WG351481-1)								
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0130 11:22	0202 17:32	AK
Hexachloroethane	ND	ug/l	0.80					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	41.0	%	21-120					
Phenol-d6	27.0	%	10-120					
Nitrobenzene-d5	51.0	%	23-120					
2-Fluorobiphenyl	56.0	%	43-120					
2,4,6-Tribromophenol	63.0	%	10-120					
4-Terphenyl-d14	83.0	%	33-120					
Blank Analysis for sample(s) 01-05,07 (WG351551-1)								
Polychlorinated Biphenyls by EPA 8082				1	8082	0131 01:49	0202 09:49	SH
Aroclor 1016	ND	ug/l	0.100					
Aroclor 1221	ND	ug/l	0.100					
Aroclor 1232	ND	ug/l	0.100					
Aroclor 1242	ND	ug/l	0.100					
Aroclor 1248	ND	ug/l	0.100					
Aroclor 1254	ND	ug/l	0.100					
Aroclor 1260	ND	ug/l	0.100					
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	50.0	%	30-150					
Decachlorobiphenyl	113	%	30-150					
Blank Analysis for sample(s) 01-05,07 (WG351550-1)								
Organochlorine Pesticides by EPA 8081A				1	8081A	0131 01:43	0203 14:41	JB
Delta-BHC	ND	ug/l	0.020					
Lindane	ND	ug/l	0.020					
Alpha-BHC	ND	ug/l	0.020					
Beta-BHC	ND	ug/l	0.020					
Heptachlor	ND	ug/l	0.020					
Aldrin	ND	ug/l	0.020					
Heptachlor epoxide	ND	ug/l	0.020					
Endrin	ND	ug/l	0.040					
Endrin ketone	ND	ug/l	0.040					
Dieldrin	ND	ug/l	0.040					
4,4'-DDE	ND	ug/l	0.040					
4,4'-DDD	ND	ug/l	0.040					
4,4'-DDT	ND	ug/l	0.040					
Endosulfan I	ND	ug/l	0.020					
Endosulfan II	ND	ug/l	0.040					
Endosulfan sulfate	ND	ug/l	0.040					
Methoxychlor	ND	ug/l	0.200					
trans-Chlordane	ND	ug/l	0.020					
Chlordane	ND	ug/l	0.200					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0901107

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-05,07 (WG351550-1)								
Organochlorine Pesticides by EPA 8081A cont'd				1	8081A	0131 01:43	0203 14:41	JB
Surrogate(s)	Recovery		QC Criteria					
2,4,5,6-Tetrachloro-m-xylene	55.0	%	30-150					
Decachlorobiphenyl	46.0	%	30-150					

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.
H	The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised December 31, 2008

The following list includes only those analytes/methods for which certification/approval is held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.
Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: MA0086.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 3540C, 3545, 3550B, 3580A, 5035L, 5035H.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, SM2540B, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. Registered Laboratory.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 1/28/09

ALPHA Job #: L0901167

Client Information

Client: AKRF, Inc
Address: 440 Park Ave South 7th Floor
Phone: 646-388-1529
Fax: or (917) 613-6022
Email: aschwendt@akrf.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 2477 3rd Ave
Project Location: Bronx
Project #: 11160
Project Manager: Axel Schwendt
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 2/4/09 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: TAGM/[redacted]
Criteria:

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 VOCs	8270 SVOCs	8081 Pest	TAL Metals (Total)	8082 PCBs	TAL Metals (Dissolved)	Sample Specific Comments
01167.1	MW-1	1/27/09	1000	water	NC	X	X	X	X	X	X	
2	MW-2		1030		NC	X	X	X	X	X	X	
3	MW-3		1220		NC	X	X	X	X	X		
4	MW-6		1330		SG	X	X	X	X	X	X	Note: Dissolved Metals need to be filtered in lab
5	MW-8		1430		NC	X	X	X	X	X		
6	Trip Blank		1500		NC	X						
7	FB-1	1/28/09	0930	water	NC	X	X	X	X	X		(Field Blank)

SAMPLE HANDLING
Filtration: Needed
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	V	A	A	P	A
Preservative	B	A	A	C	A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible] 1/28/09	1/28/09 1600	[illegible]	1/28/09 1600
[illegible]	1/28/09 1800	[illegible]	1/28/09 18[illegible]
[illegible] 1/28/09	2030	[illegible]	1/28/09 2030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

APPENDIX G

LABORATORY DATA DELIVERABLES FOR SOIL VAPOR ANALYTICAL DATA

ANALYTICAL REPORT

Lab Number:	L1102308
Client:	AKRF, Inc. 440 Park Avenue South New York, NY 10016
ATTN:	Axel Schwendt
Phone:	(646) 388-9529
Project Name:	2477 THIRD AVE
Project Number:	11160
Report Date:	02/24/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 2477 THIRD AVE
Project Number: 11160

Lab Number: L1102308
Report Date: 02/24/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1102308-01	SG-1	BRONX, NY	02/17/11 13:22
L1102308-02	SG-2	BRONX, NY	02/17/11 13:37
L1102308-03	SG-3	BRONX, NY	02/17/11 13:58
L1102308-04	CAN 1563	BRONX, NY	

Project Name: 2477 THIRD AVE **Lab Number:** L1102308
Project Number: 11160 **Report Date:** 02/24/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

The canister certification results are provided as an addendum.

Volatile Organics in Air
L1102308-01, -02 and WG456044-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

The WG456044-3 LCS recovery for Tetrahydrofuran (69%) is outside the 70%-130% acceptance limit. The LCS was within overall method allowances, therefore the analysis proceeded.

WG456044-5: The relative percent difference for 4-Methyl-2-pentanone (26%) is above the RPD limit of 25%. This compound represented less than 10% of the compounds detected, therefore no further action was taken.

Project Name:	2477 THIRD AVE	**Lab Number:**	L1102308
Project Number:	11160	**Report Date:**	02/24/11

Case Narrative (continued)

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen O'Brien

Title: Technical Director/Representative

Date: 02/24/11

AIR

Project Name: 2477 THIRD AVE
Project Number: 11160
Lab Number: L1102308
Report Date: 02/24/11

SAMPLE RESULTS

Lab ID: L1102308-01 D
Client ID: SG-1
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 02/22/11 23:17
Analyst: BS

Date Collected: 02/17/11 13:22
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	2.05	1.00	--	3.52	1.72	--		2
Dichlorodifluoromethane	0.622	0.400	--	3.07	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.825	--		2
Freon-114	ND	0.400	--	ND	2.79	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.884	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.05	--		2
Ethanol	ND	5.00	--	ND	9.41	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	41.0	2.00	--	97.4	4.75	--		2
Trichlorofluoromethane	0.510	0.400	--	2.86	2.24	--		2
Isopropanol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.58	--		2
Methylene chloride	ND	2.00	--	ND	6.94	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	0.874	0.400	--	2.72	1.24	--		2
Freon-113	ND	0.400	--	ND	3.06	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.58	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
Vinyl acetate	ND	0.400	--	ND	1.41	--		2
2-Butanone	0.854	0.400	--	2.52	1.18	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.58	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2

Project Name: 2477 THIRD AVE
Project Number: 11160
Lab Number: L1102308
Report Date: 02/24/11

SAMPLE RESULTS

Lab ID: L1102308-01 D
Client ID: SG-1
Sample Location: BRONX, NY

Date Collected: 02/17/11 13:22
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chloroform	ND	0.400	--	ND	1.95	--		2
Tetrahydrofuran	ND	0.400	--	ND	1.18	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	2.71	0.400	--	9.53	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	0.416	0.400	--	1.33	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.51	--		2
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	1.81	0.400	--	7.43	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.81	--		2
4-Methyl-2-pentanone	0.912	0.400	--	3.73	1.64	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.81	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	2.44	0.400	--	9.19	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.40	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	9.95	0.400	--	67.4	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2
p/m-Xylene	1.33	0.800	--	5.77	3.47	--		2
Bromoform	ND	0.400	--	ND	4.13	--		2
Styrene	ND	0.400	--	ND	1.70	--		2

Project Name: 2477 THIRD AVE
Project Number: 11160
Lab Number: L1102308
Report Date: 02/24/11

SAMPLE RESULTS

Lab ID: L1102308-01 D
Client ID: SG-1
Sample Location: BRONX, NY

Date Collected: 02/17/11 13:22
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.74	--		2
o-Xylene	0.456	0.400	--	1.98	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.96	--		2
1,3,5-Trimethybenzene	ND	0.400	--	ND	1.96	--		2
1,2,4-Trimethylbenzene	0.438	0.400	--	2.15	1.96	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.26	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	97		60-140

Project Name: 2477 THIRD AVE
Project Number: 11160
Lab Number: L1102308
Report Date: 02/24/11

SAMPLE RESULTS

Lab ID: L1102308-02 D
Client ID: SG-2
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 02/23/11 00:30
Analyst: BS

Date Collected: 02/17/11 13:37
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	4.05	1.00	--	6.96	1.72	--		2
Dichlorodifluoromethane	1.47	0.400	--	7.26	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.825	--		2
Freon-114	ND	0.400	--	ND	2.79	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.884	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.05	--		2
Ethanol	ND	5.00	--	ND	9.41	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	28.8	2.00	--	68.4	4.75	--		2
Trichlorofluoromethane	5.02	0.400	--	28.2	2.24	--		2
Isopropanol	ND	1.00	--	ND	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.58	--		2
Methylene chloride	ND	2.00	--	ND	6.94	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	1.72	0.400	--	5.34	1.24	--		2
Freon-113	ND	0.400	--	ND	3.06	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.58	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
Vinyl acetate	ND	0.400	--	ND	1.41	--		2
2-Butanone	0.814	0.400	--	2.40	1.18	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.58	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2

Project Name: 2477 THIRD AVE
Project Number: 11160
Lab Number: L1102308
Report Date: 02/24/11

SAMPLE RESULTS

Lab ID: L1102308-02 D
Client ID: SG-2
Sample Location: BRONX, NY

Date Collected: 02/17/11 13:37
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chloroform	ND	0.400	--	ND	1.95	--		2
Tetrahydrofuran	ND	0.400	--	ND	1.18	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	ND	0.400	--	ND	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	ND	0.400	--	ND	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.51	--		2
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	ND	0.400	--	ND	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.81	--		2
4-Methyl-2-pentanone	ND	0.400	--	ND	1.64	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.81	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	1.84	0.400	--	6.91	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.40	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	8.26	0.400	--	56.0	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	ND	0.400	--	ND	1.74	--		2
p/m-Xylene	1.03	0.800	--	4.47	3.47	--		2
Bromoform	ND	0.400	--	ND	4.13	--		2
Styrene	ND	0.400	--	ND	1.70	--		2

Project Name: 2477 THIRD AVE
Project Number: 11160
Lab Number: L1102308
Report Date: 02/24/11

SAMPLE RESULTS

Lab ID: L1102308-02 D
Client ID: SG-2
Sample Location: BRONX, NY

Date Collected: 02/17/11 13:37
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.74	--		2
o-Xylene	ND	0.400	--	ND	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.96	--		2
1,3,5-Trimethybenzene	ND	0.400	--	ND	1.96	--		2
1,2,4-Trimethylbenzene	ND	0.400	--	ND	1.96	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.26	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	105		60-140
chlorobenzene-d5	105		60-140

Project Name: 2477 THIRD AVE
Project Number: 11160
Lab Number: L1102308
Report Date: 02/24/11

SAMPLE RESULTS

Lab ID: L1102308-03
Client ID: SG-3
Sample Location: BRONX, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 02/23/11 01:07
Analyst: BS

Date Collected: 02/17/11 13:58
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Propylene	42.4	0.500	--	73.0	0.860	--		1
Dichlorodifluoromethane	0.912	0.200	--	4.51	0.988	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	0.388	0.200	--	2.71	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	3.74	0.200	--	8.28	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	26.4	1.00	--	62.7	2.37	--		1
Trichlorofluoromethane	1.82	0.200	--	10.2	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.531	0.200	--	1.65	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	0.691	0.200	--	2.04	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 2477 THIRD AVE
Project Number: 11160
Lab Number: L1102308
Report Date: 02/24/11

SAMPLE RESULTS

Lab ID: L1102308-03
Client ID: SG-3
Sample Location: BRONX, NY

Date Collected: 02/17/11 13:58
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	0.291	0.200	--	0.858	0.589	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.585	0.200	--	2.06	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	2.24	0.200	--	7.16	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.720	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.560	0.200	--	2.29	0.819	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	3.66	0.200	--	13.8	0.753	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	7.88	0.200	--	53.4	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	0.581	0.200	--	2.52	0.868	--		1
p/m-Xylene	1.63	0.400	--	7.09	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1

Project Name: 2477 THIRD AVE
Project Number: 11160
Lab Number: L1102308
Report Date: 02/24/11

SAMPLE RESULTS

Lab ID: L1102308-03
Client ID: SG-3
Sample Location: BRONX, NY
Date Collected: 02/17/11 13:58
Date Received: 02/18/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.505	0.200	--	2.19	0.868	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	121		60-140
Bromochloromethane	112		60-140
chlorobenzene-d5	122		60-140

Project Name: 2477 THIRD AVE
Project Number: 11160
Lab Number: L1102308
Report Date: 02/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/22/11 18:54

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-03 Batch: WG456044-4								
Propylene	ND	0.500	--	ND	0.860	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.37	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 2477 THIRD AVE
Project Number: 11160
Lab Number: L1102308
Report Date: 02/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/22/11 18:54

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-03 Batch: WG456044-4								
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.720	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.819	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1

Project Name: 2477 THIRD AVE
Project Number: 11160
Lab Number: L1102308
Report Date: 02/24/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/22/11 18:54

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab for sample(s): 01-03 Batch: WG456044-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE
Project Number: 11160

Lab Number: L1102308
Report Date: 02/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 Batch: WG456044-3								
Chlorodifluoromethane	82		-		70-130	-		
Propylene	88		-		70-130	-		
Propane	85		-		70-130	-		
Dichlorodifluoromethane	100		-		70-130	-		
Chloromethane	88		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	89		-		70-130	-		
Methanol	77		-		70-130	-		
Vinyl chloride	88		-		70-130	-		
1,3-Butadiene	87		-		70-130	-		
Butane	94		-		70-130	-		
Bromomethane	87		-		70-130	-		
Chloroethane	87		-		70-130	-		
Ethyl Alcohol	97		-		70-130	-		
Dichlorofluoromethane	92		-		70-130	-		
Vinyl bromide	84		-		70-130	-		
Acrolein	82		-		70-130	-		
Acetone	94		-		70-130	-		
Acetonitrile	93		-		70-130	-		
Trichlorofluoromethane	89		-		70-130	-		
iso-Propyl Alcohol	98		-		70-130	-		
Acrylonitrile	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE
Project Number: 11160

Lab Number: L1102308
Report Date: 02/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 Batch: WG456044-3								
Pentane	79		-		70-130	-		
Ethyl ether	76		-		70-130	-		
1,1-Dichloroethene	86		-		70-130	-		
tert-Butyl Alcohol	71		-		70-130	-		
Methylene chloride	85		-		70-130	-		
3-Chloropropene	79		-		70-130	-		
Carbon disulfide	84		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	88		-		70-130	-		
trans-1,2-Dichloroethene	83		-		70-130	-		
1,1-Dichloroethane	88		-		70-130	-		
Methyl tert butyl ether	80		-		70-130	-		
Vinyl acetate	82		-		70-130	-		
2-Butanone	92		-		70-130	-		
cis-1,2-Dichloroethene	81		-		70-130	-		
Ethyl Acetate	93		-		70-130	-		
Chloroform	89		-		70-130	-		
Tetrahydrofuran	**69**	Q	-		70-130	-		
2,2-Dichloropropane	79		-		70-130	-		
1,2-Dichloroethane	83		-		70-130	-		
n-Hexane	79		-		70-130	-		
Isopropyl Ether	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE
Project Number: 11160

Lab Number: L1102308
Report Date: 02/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 Batch: WG456044-3								
Ethyl-Tert-Butyl-Ether	86		-		70-130	-		
1,1,1-Trichloroethane	94		-		70-130	-		
1,1-Dichloropropene	84		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	97		-		70-130	-		
Cyclohexane	86		-		70-130	-		
Tertiary-Amyl Methyl Ether	83		-		70-130	-		
Dibromomethane	96		-		70-130	-		
1,2-Dichloropropane	95		-		70-130	-		
Bromodichloromethane	95		-		70-130	-		
1,4-Dioxane	95		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	94		-		70-130	-		
Heptane	89		-		70-130	-		
2,4,4-Trimethyl-1-Pentene	102		-		70-130	-		
cis-1,3-Dichloropropene	94		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
2,4,4-Trimethyl-2-Pentene	**147**	Q	-		70-130	-		
trans-1,3-Dichloropropene	81		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE
Project Number: 11160

Lab Number: L1102308
Report Date: 02/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 Batch: WG456044-3								
1,3-Dichloropropane	94		-		70-130	-		
2-Hexanone	107		-		70-130	-		
Dibromochloromethane	99		-		70-130	-		
1,2-Dibromoethane	96		-		70-130	-		
Butyl Acetate	96		-		70-130	-		
Octane	87		-		70-130	-		
Tetrachloroethene	95		-		70-130	-		
1,1,1,2-Tetrachloroethane	96		-		70-130	-		
Chlorobenzene	95		-		70-130	-		
Ethylbenzene	90		-		70-130	-		
p/m-Xylene	95		-		70-130	-		
Bromoform	98		-		70-130	-		
Styrene	91		-		70-130	-		
1,1,2,2-Tetrachloroethane	107		-		70-130	-		
o-Xylene	93		-		70-130	-		
1,2,3-Trichloropropane	79		-		70-130	-		
Nonane (C9)	102		-		70-130	-		
Isopropylbenzene	96		-		70-130	-		
Bromobenzene	105		-		70-130	-		
o-Chlorotoluene	93		-		70-130	-		
n-Propylbenzene	98		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE
Project Number: 11160

Lab Number: L1102308
Report Date: 02/24/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 Batch: WG456044-3								
p-Chlorotoluene	98		-		70-130	-		
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	98		-		70-130	-		
tert-Butylbenzene	99		-		70-130	-		
1,2,4-Trimethylbenzene	106		-		70-130	-		
Decane (C10)	103		-		70-130	-		
Benzyl chloride	102		-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	109		-		70-130	-		
sec-Butylbenzene	103		-		70-130	-		
p-Isopropyltoluene	100		-		70-130	-		
1,2-Dichlorobenzene	109		-		70-130	-		
n-Butylbenzene	118		-		70-130	-		
1,2-Dibromo-3-chloropropane	120		-		70-130	-		
Undecane	120		-		70-130	-		
Dodecane (C12)	**146**	Q	-		70-130	-		
1,2,4-Trichlorobenzene	121		-		70-130	-		
Naphthalene	124		-		70-130	-		
1,2,3-Trichlorobenzene	**133**	Q	-		70-130	-		
Hexachlorobutadiene	125		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE
Project Number: 11160

Lab Number: L1102308
Report Date: 02/24/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG456044-5 QC Sample: L1102308-01 Client ID: SG-1						
Propylene	2.05	1.70	ppbV	19		25
Dichlorodifluoromethane	0.622	0.516	ppbV	19		25
Chloromethane	ND	ND	ppbV	NC		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	41.0	38.3	ppbV	7		25
Trichlorofluoromethane	0.510	0.466	ppbV	9		25
Isopropanol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	0.874	0.732	ppbV	18		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE
Project Number: 11160

Lab Number: L1102308
Report Date: 02/24/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG456044-5 QC Sample: L1102308-01 Client ID: SG-1					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	0.854	0.810	ppbV	5	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	2.71	2.59	ppbV	5	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	0.416	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE
Project Number: 11160

Lab Number: L1102308
Report Date: 02/24/11

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG456044-5 QC Sample: L1102308-01 Client ID: SG-1						
Heptane	1.81	1.71	ppbV	6		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	0.912	0.702	ppbV	**26**	Q	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	2.44	2.76	ppbV	12		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	9.95	9.88	ppbV	1		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	0.450	ppbV	NC		25
p/m-Xylene	1.33	1.47	ppbV	10		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	0.456	0.504	ppbV	10		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2477 THIRD AVE
Project Number: 11160

Lab Number: L1102308
Report Date: 02/24/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air (Low Level) - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG456044-5 QC Sample: L1102308-01 Client ID: SG-1					
1,2,4-Trimethylbenzene	0.438	0.426	ppbV	3	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: 2477 THIRD AVE **Lab Number:** L1102308

Project Number: 11160 **Report Date:** 02/24/11

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1102308-01	SG-1	0381	#90 SV		-	-	78	82	5
L1102308-01	SG-1	1690	6.0L Can	I1101325	-29.6	-4.1	-	-	-
L1102308-02	SG-2	0236	#90 SV		-	-	75	83	10
L1102308-02	SG-2	965	6.0L Can	I1101325	-29.6	-5.5	-	-	-
L1102308-03	SG-3	0154	#90 SV		-	-	75	77	3
L1102308-03	SG-3	1594	6.0L Can	I1101325	-29.6	-6.4	-	-	-

Air Volatiles Can Certification

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1101325
Report Date: 02/24/11

Air Canister Certification Results

Lab ID: L1101325-01
Client ID: CAN 1563 SHELF 38
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/05/11 14:23
Analyst: AR

Date Collected: 01/31/11 00:00
Date Received: 01/31/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	2.50	--	ND	5.94	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1101325

Project Number: CANISTER QC BAT **Report Date:** 02/24/11

Air Canister Certification Results

Lab ID: L1101325-01 Date Collected: 01/31/11 00:00

Client ID: CAN 1563 SHELF 38 Date Received: 01/31/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
Diisopropyl ether	ND	0.200	--	ND	0.835	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.835	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Benzene	ND	0.200	--	ND	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.720	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1101325

Project Number: CANISTER QC BAT **Report Date:** 02/24/11

Air Canister Certification Results

Lab ID: L1101325-01 Date Collected: 01/31/11 00:00

Client ID: CAN 1563 SHELF 38 Date Received: 01/31/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.37	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.982	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1101325
Report Date: 02/24/11

Air Canister Certification Results

Lab ID: L1101325-01
Client ID: CAN 1563 SHELF 38
Sample Location:

Date Collected: 01/31/11 00:00
Date Received: 01/31/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	1.28	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1101325
Report Date: 02/24/11

Air Canister Certification Results

Lab ID: L1101325-01
Client ID: CAN 1563 SHELF 38
Sample Location:

Date Collected: 01/31/11 00:00
Date Received: 01/31/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	97		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	97		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1101325
Report Date: 02/24/11

Air Canister Certification Results

Lab ID: L1101325-01
Client ID: CAN 1563 SHELF 38
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/05/11 14:23
Analyst: RY

Date Collected: 01/31/11 00:00
Date Received: 01/31/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.403	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1101325

Project Number: CANISTER QC BAT **Report Date:** 02/24/11

Air Canister Certification Results

Lab ID: L1101325-01 Date Collected: 01/31/11 00:00

Client ID: CAN 1563 SHELF 38 Date Received: 01/31/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1101325
Report Date: 02/24/11

Air Canister Certification Results

Lab ID: L1101325-01
Client ID: CAN 1563 SHELF 38
Sample Location:
Date Collected: 01/31/11 00:00
Date Received: 01/31/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1101325
Report Date: 02/24/11

Air Canister Certification Results

Lab ID: L1101325-01
Client ID: CAN 1563 SHELF 38
Sample Location:

Date Collected: 01/31/11 00:00
Date Received: 01/31/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	86		60-140
bromochloromethane	79		60-140
chlorobenzene-d5	90		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1101325

Project Number: CANISTER QC BAT **Report Date:** 02/24/11

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1101325-01	Date Collected:	01/31/11 00:00
Client ID:	CAN 1563 SHELF 38	Date Received:	01/31/11
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	02/08/11 19:09		
Analyst:	AR		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: 2477 THIRD AVE
Project Number: 11160

Lab Number: L1102308
Report Date: 02/24/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1102308-01A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1102308-02A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1102308-03A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1102308-04A	Canister - 6 Liter	N/A	N/A		Y	Absent	CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	2477 THIRD AVE	**Lab Number:**	L1102308
Project Number:	11160	**Report Date:**	02/24/11

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when

Project Name:	2477 THIRD AVE	**Lab Number:**	L1102308
Project Number:	11160	**Report Date:**	02/24/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: 2477 THIRD AVE **Lab Number:** L1102308
Project Number: 11160 **Report Date:** 02/24/11

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised February 18, 2011 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA, 245.1, 245.7, 1631E, 180.1, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081, 8082, 8260B, 8270C.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7470A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, SM2320B, EPA 200.8, SM2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 7470A, 9040B, 6020, 9010B, 9014 Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640C, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 9014, 9040B, 120.1, SM2510B, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 2510B, EPA 120.1, 180.1, 1631E, 245.7.)

Solid & Chemical Materials (Inorganic Parameters: EPA 9040, 9060, 6020, 7470, 7471, 7474. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270, 8260.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015-DRO.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl.

Serial_No:02241115:38

L1102308

Alpha Analytical
320 Forbes Blvd
Mansfield, MA 02048-1806
Tel: 508-822-9300
Fax: 508-822-3288

AIR Chain-of-Custody - NJ

Date Rec'd in Lab	ALPHA Job#

Client Contact Information

Company: AKRF Inc.
Address: 440 Park Ave South 7th Fl.
City/State/Zip: New York NY 10016
Phone: 646-388-9529
FAX: 212-726-0942
Email: ASchwendt@akrf.com

Project Information

Project Name: 2477 Third Ave
Site/Location: Bronx, NY
Project Manager: Axel Schwendt
Site Contact: M. Oleske
Phone: 646-388-9529

Analysis Turn-Around Time

(Standard) Specify)_____
Rush (Specify)_____

Carrier:

Samplers Name(s) Matt Oleske

1 of 1 COCs

Report Information - Data Deliverables:

☐ FAX:
☒ ADEx ☐ Criteria Checker:
☒ EMail (standard pdf report)

Billing Information

☐ Same as Client Info PO #: 11160

ALPHA LAB ID (Lab Use Only)	Sample Identification	Sample Date(s)	Time Start (24 hr clock)	Time Stop (24 hr clock)	Canister Pressure in Field ("Hg) (Start)	Canister Pressure in Field ("Hg) (Stop)	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Outgoing Canister Pressure ("Hg) (Lab)	Incoming Canister Pressure ("Hg) (Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout (ml/min)	Can Cert ID	TO-15	EPA 3C						Indoor /Ambient Air	Soil Gas		
L1102308-1	SG-1	2/17/11	1222	1322	-29.72	-4.57					0381	1690	6L			X									X	
-2	SG-2	2/17/11	1237	1337	-29.90	-5.64					0236	0965	6L			X									X	
-3	SG-3	2/17/11	1258	1358	-29.95	-6.30					0154	1594	6L			X									X	

Temperature (Fahrenheit)	Ambient	Maximum	Minimum	
Start	48	48	48	
Stop	48	48	48	

GC/MS Analyst Signature (TO-15)

Pressure (Inches of Hg)	Ambient	Maximum	Minimum	
Start				
Stop				

Special Instructions/QC Requirements & Comments:

Canisters Shipped by: Matt Oleske	Date/Time: 2/18/11 1100	Canisters Received by:	Date/Time: 2/18/11 1100
Samples Relinquished by:	Date/Time: 2/18/11	Received by:	Date/Time: 2/18/11 17:40
Relinquished by:	Date/Time: 2/18/11 22:30	Received by: P. Gillent	Date/Time: 2/18/11 2230
P. Gillent	2/21/11 9:20	Rel: P. Gillent	2/21/11 10:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until all ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Form: 101-06 April 20, 2009