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

Submitted to:

Signature Urban Properties, LLC
853 Broadway, Suite 2014
New York, NY 10003

SUBSURFACE (PHASE II) INVESTIGATION

1559 & 1560 Boone Avenue

Bronx, New York

Project Number: 11068

May 2008

1559 & 1560 Boone Avenue

BRONX, NEW YORK

Subsurface (Phase II) Investigation Report

AKRF Project Number: 11068-0002

Prepared for:

Signature Urban Properties, LLC
853 Broadway, Suite 2014
New York, NY 10003

Prepared by:

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440 Park Avenue South
New York, NY 10016
212-696-0670

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1.0 INTRODUCTION

This report describes a Subsurface (Phase II) Investigation conducted by AKRF at the subject site, which consist of two separate properties, 1559 and 1560 Boone Avenue in the Bronx, NY (as shown on Figure 1). The combined area of the subject property is approximately 74,000 square feet; 1559 Boone Avenue is approximately 10,000 square feet, and includes a warehouse primarily used for packaging material storage, and 1560 Boone Avenue is approximately 64,000 square feet and includes active meat facility as well as basement, second floor and office areas. PRG Packing operates a meat processing facility, and Royal Foods operates a meat distribution company at the southwest end of the building.

The Phase II investigation was intended to determine whether current or former on- or off-site activities have adversely affected subsurface environmental conditions at the subject property and to determine the depth to bedrock below each property. Three specific areas of concern were: the boiler room at 1560 Boone Ave; the previous location of a 10,000 gallon #2 fuel oil aboveground storage tank (AST) at 1560 Boone Avenue (the "rock room"); and the storage warehouse at 1559 Boone Avenue, historically proximal to a garage and repair shop. Investigation activities included: advancing soil borings at seven locations throughout the site; obtaining groundwater samples from three locations (including an existing monitoring well); and collecting soil and groundwater samples for laboratory analysis. This report describes the methods and results of the investigation. The scope of the Phase II study was based on the findings of the Phase I Environmental Site Assessment (ESA) performed concurrently by AKRF.

2.0 SITE BACKGROUND

2.1 Site Characterization

The subject site consists of two properties, 1559 and 1560 Boone Avenue in the West Farms area of the Bronx, NY. The properties are situated across the street from each other; 1559 has a lot area of approximately 10,000 sq/ft and 1560 has a lot area of approximately 64,000 sq/ft. Both properties consist of warehouses currently owned by 1660 Boone LLC, and operated as a provisions manufacture and distributer. The 1559 Boone Avenue building was primarily used as a storage area for packaging materials and the 1560 Boone Avenue building was an operational meat processing facility at the time of subsurface investigation. Access was limited to the 1560 Boone Avenue building because the operational area was regulated by the USDA, and most areas were denied access. (Refer to Figure 1). The subject block is bounded to the northeast by 173rd Street and an auto repair garage, to the southeast by West Farms Road and the Sheridan Expressway, and to the northwest by Boone Avenue and residential properties, and to the southwest by a vacant lot under construction and a home restoration company. The legal definition of 1559 Boone Avenue is Tax Block 3009, Lot 33, and 1560 Boone Avenue is defined as Tax Block 3014, Lot 15. The surrounding neighborhood to the West is predominantly residential and commercial in nature, to the North and South is primarily industrial and manufacturing, while to the East is a major transportation line with I-895 and a subway line running parallel to the Bronx River.

2.2 Groundwater Table

Surface topography is relatively flat along Boone Avenue, and slopes down approximately 15 feet along East 173rd Street to West Farms Road to the southeast. Based on reports compiled by the U.S. Geological Survey (Central Park, NY, NJ Quadrangle), the property lies at an elevation of approximately 40 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level). The approximate depth to bedrock is 0 to 10 feet below the surface based on

visual observations of exposed bedrock, as well as soil borings; bedrock outcrops were observed along West Farms Road and along Longfellow Avenue.

The approximate depth to the water table is 4 to 8 feet, based on soil borings and existing monitoring wells. Groundwater most likely flows in a general southeast direction toward the Bronx River, which is approximately 600 feet to the southeast. However, actual groundwater flow at the site can be affected by many factors including past filling activities, underground utilities and other subsurface openings or obstructions such as basements, bedrock geology, tidal fluctuations, and other factors beyond the scope of this study. Groundwater in The Bronx is not used as a source of potable water.

3.0 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Phase I Environmental Site Assessment, 1559 & 1560 Boone Avenue, Bronx, New York, AKRF, Inc. May, 2008.

This Phase I Environmental Site Assessment for the project site was conducted concurrently with the Phase II investigation by AKRF in April, 2008. This report included the findings of a site inspection, a visual survey for the presence of suspect asbestos-containing materials (ACMs) and lead-based paint, the evaluation of available historical information, and the interpretation of relevant federal and state environmental databases. The findings of this report are summarized below:

General on-site concerns:

- Based on the age of the subject buildings, asbestos-containing materials (ACM) may be present. Suspect ACM observed during the site visit included floor tile, window material, roofing material, and thermal system insulation (TSI) around pipes. Most TSI was in damaged condition; other observed suspect ACM were in good to fair condition.
- Based on the age of the subject buildings, lead-based paint may be present. In general, few painted surfaces were observed in the subject buildings; painted surfaces observed in the 1560 Boone Avenue office and basement areas were in good to fair condition.
- The on-site buildings were primarily illuminated by fluorescent lighting. Based on the age of the buildings, suspect PCB- and mercury-containing fluorescent lights, switches, and other electrical equipment, may be present. No leaks or stains were noted around lighting fixtures and switches, which do not currently present a potential hazard to human health.
- Floor drains were noted throughout both subject properties. According to the warehouse manager, the drains discharge to the municipal sewer system. Some staining was observed on the concrete surrounding the floor drain in the 1560 Boone Avenue boiler room. No significant staining was noted around other visible floor drains.
- Several 55-gallon, or smaller, drums were observed during the site visit. Most drums contained food grade chemicals, but some contained hydraulic or gear oil.

1159 Boone Avenue:

- The 1559 Boone Avenue property was built in 1931 according to tax files. Historical Sanborn maps showed that in 1951 Sanborn map, this property was a business garage containing a 550-gallon buried gasoline tank. The 1977 Sanborn map showed that 1559 Boone Avenue had been converted to a warehouse, and the buried gasoline tank was no longer shown.

1560 Boone Avenue:

- Historical Sanborn maps, regulatory databases and a site reconnaissance indicated that 1560 Boone Avenue had a primarily industrial and manufacturing history for more than 50 years. This property comprised three separate, three-story buildings built during the 1940s and 1950s, and used for manufacturing purposes. These buildings were later joined. According to the warehouse's manager, a long-time building employee, and NYC Buildings Department records, the subject property was operated as a meat provisions facility under the ownership of Plymouth Rock Provisions, Ferris-Stahl-Meyer, and most recently PRG Packing Corporation (a food products manufacturer) and Prime Food Distributors. The 1951 Sanborn map indicated the northernmost building that is currently part of 1560 Boone Avenue as Ace Ice Cream Cabinet Company, but this building was owned by Plymouth Rock Provisions by 1977.
- One 10,000-gallon No. 4 fuel oil aboveground storage tank (AST) previously existed at 1560 Boone Avenue in a basement room south-adjacent to the boiler room. The room was informally referred to as the "rock room" due to the earthen floor and exposed bedrock walls. Interviews with warehouse employees indicated that the 10,000-gallon tank was decommissioned and left in place in approximately 1990. This tank was associated with several spill numbers reported for three Consolidated Edison (Con Ed) vaults along West Farms Road, downgradient of the site, between 1998 and 2001. One of these spills, which involved petroleum seeping under an access door along West Farms Road in 1998, remains open with the New York State Department of Environmental Conservation (NYSDEC). In October 2003, a tank failure was reported for this tank, the tank was removed and the impacted area was remediated. A groundwater monitoring program was implemented at 1560 Boone Avenue for approximately one year. The spill due to the tank failure was closed in July 2005 and No Further Action was required by the NYSDEC.
- One temporary, approximately 1,000-gallon No. 2 fuel oil AST was located in the 1560 Boone Avenue basement boiler room. The AST was not listed under any regulatory databases as it was only intended as a temporary tank. The tank supplied the boiler and was hooked up with temporary hoses. Staining was observed on the concrete around the tank and associated hoses.

Off-site concerns:

- Two spills remain open for the New York City Department of Sanitation (DOS) garage located directly northeast of 1560 Boone Avenue, across East 173rd Street. The first spill was reported in 1998 after free phase petroleum was observed in a soil boring. The product was originally presumed to be diesel fuel, but later DEC correspondence indicates motor oil in some of the installed monitoring wells. Additional correspondence refers to persistent contamination in monitoring well MW-19 across East 173rd Street from the DOS garage, attributed to an offsite source. During the site inspection, one monitoring well was observed at the northwest corner of East 173rd Street and West Farms Road, approximately 80 feet cross-gradient from the "rock room". A remedial program was implemented by LiRo Engineers, and was active as of July 18, 2006. The second spill was reported in 2001 when 50 gallons of unknown petroleum were released from a broken oil/water (OS) separator pipe. Allstate reportedly responded with a vac truck to empty the contents of the OS separator and the excavation, and a DOS representative was said to have repaired the OS separator. No other comments were made on the status of the spill.
- The lot located on the northeast corner of East 173rd Street and Boone Avenue (1660-1668 Boone Avenue), directly northeast across East 173rd Street from 1560 Boone Avenue, was previously identified as Adhesive Products Corporation, a hazardous waste generator. At the time of the site visit, the property was operated as a heating and plumbing supplier. During its history as an adhesive

manufacturer, the property contained 23 underground storage tanks (USTs) which held chemicals such as ethyl acetate, methyl-ethyl-ketone, tolulene and 2-propanone, as well as petroleum products such as gasoline and No. 2 fuel oil. All of these tanks were closed in place or closed and removed in April 1992, the same year the facility received Resource Conservation and Recovery Act (RCRA) "failure to notify" violations. Based on the above information, and the cross-gradient to up-gradient location of the facility, potential releases from these tanks may have affected the subject site.

- Other adjacent properties included a former auto repair shop and garage with a 550-gallon buried gasoline tank, shown south-adjacent to the 1560 Boone Avenue property on historical Sanborn maps. At the time of the site visit, the lot was vacant with active excavation activity. A garage and repair shop north-adjacent to 1559 Boone Avenue, and directly across the street from 1560 Boone Avenue, was listed as containing two 550-gallon buried gasoline tanks on historical Sanborn maps. However, only one 275-gallon waste oil tank was listed at this garage in the NYS Petroleum Bulk Storage (PBS) database. This garage was active at the time of this report. No further information was obtained with regards to the gasoline tanks identified on Sanborn maps. Potential releases from these tanks may have affected the subject site.
- A former manufactured gas plant (MGP) was located approximately 600 feet east (in an inferred downgradient groundwater flow location) of the subject properties, and was identified as Northern Gas Light Company on the 1896 Sanborn map. The plant was idle as of 1915 under the ownership of Northern Union Gas Company, and on the 1951 Sanborn map, the property is vacant under the ownership of Consolidated Edison. At the time of this report, the site was vacant and being remediated under New York's Voluntary Cleanup Program (VCP). This facility is unlikely to have affected subsurface conditions on the subject property because of the general down gradient location with respect to groundwater.

4.0 TECHNICAL OVERVIEW

This section summarizes the site investigation activities. Field activities were conducted on April 16, 2008, by AKRF personnel, and ZEBRA Environmental Corp. of Lynbrook, New York. A total of seven soil borings were advanced; four at 1560 Boone Avenue and three at 1559 Boone Avenue. Based on visual observations of exposed rock outcrops at the west end of the 1560 Boone Avenue property, shallow refusal depths during subsurface sampling, as well as interviews with knowledgeable employees, the majority of 1560 Boone Ave lies directly atop bedrock.

4.1 Soil and Groundwater Sampling and Analysis

Soil samples were collected at each boring location by a Geoprobe® direct push probe (DPP) unit to a depth of 15 feet below grade or to refusal, whichever was encountered first. Shallow bedrock was encountered in all but one of the soil borings.

Eight soil samples were collected for laboratory analysis from the seven borings SB-1 through SB-7, shown on Figure 2. Two samples were collected from boring SB-6: one at 2 to 3 feet below grade surface (bgs) and one from 6 to 9 feet bgs. Only one sample was collected from the remaining borings due to shallow refusal and the small amount of soil recovered. All but the sample from SB-3 were collected using three-foot long, two-inch diameter, stainless steel macrocore piston rod samplers fitted with an internal acetate liner. SB-3, on the southeastern portion of the 1560 Boone Avenue building under the earthen floor of the 'cold room,' was completed with a hand auger.

Soil samples were field-screened using a photoionization detector (PID), which measures relative concentrations of volatile organic compounds (VOCs) in the soil. Recovered soil from each

boring was transferred into a sealable plastic bag and screened by placing the probe of the photoionization detector (PID) inside the plastic bag (headspace readings). Soil samples were chosen for laboratory analysis , based on field observations (odor and staining) and PID readings. At each boring location, AKRF field personnel recorded and documented subsurface conditions. Soil boring logs are provided in Appendix A.

Groundwater samples were collected at three locations as indicated on Figure 2. The samples were collected at boring locations SB-2 (GW-1) and SB-7 (GW-3) from temporary well points installed in the borings, and, at one of three existing monitoring wells MW-3 (GW-2), located in the sidewalk along West Farms Road. No permanent wells were installed during this investigation.

Soil and groundwater samples were placed in laboratory supplied containers, placed in a chilled cooler and shipped under chain-of-custody protocol to Alpha Woods Hole Labs, of Westboro, Massachusetts, a New York State ELAP-certified laboratory. . Each sample was analyzed for volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, and Priority Pollutant Metals. Both filtered (dissolved) and unfiltered (total) analyses were conducted for metals in groundwater). For quality assurance/quality control (QA/QC) purposes, one field blank and one trip blank were sent with the collected groundwater samples for laboratory analysis. The field blank was analyzed for all of the parameters whereas the trip blank was analyzed for VOCs only.

4.2 Field Decontamination Procedures

To avoid contamination and cross-contamination of samples, either dedicated, sterilized, disposable sampling equipment was used, or the equipment was decontaminated before collection of each sample. Decontamination of the push probes was completed by scrubbing the equipment with a bristle brush using a non-phosphate detergent and tap water, repeated rinsing with distilled water, and allowing the equipment to air dry.

5.0 FINDINGS

5.1 Field Observations

Soil encountered below the 4-inch concrete floor slab of the 1559 Boone Avenue building primarily consisted of a thin layer of fill (sand with traces of gravel, silt, brick, concrete and asphalt), to a depth of approximately 4 to 15 inches beneath the slab. In borings SB-1, SB-2 and SB-3 in the eastern portion of the site, the fill was underlain by sand with traces of silt and gravel, which may be native material. In the remaining three borings, refusal was encountered at shallow depths, apparently on bedrock.

No elevated headspace readings were detected by the PID. No odors, staining or other evidence of contamination were noted on the screened soil. Results of the field screening activities, soil descriptions, and observations are provided in the soil boring logs in Appendix A.

5.2 Soil Analysis Results

Soil sample analytical results were compared to the New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR Part 375 Remedial Program Soil Cleanup Objectives (SCOs) for Commercial Use and the Recommended Soil Cleanup Objectives (RSCOs)

outlined in the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) No. 4046. In addition, results of the soil metals analyses were compared to Eastern United States background levels published in TAGM No. 4046.Laboratory analytical data sheets are included in Appendix B.

Volatile Organic Compounds (VOCs)

As shown in Table 1A, no VOCs were detected above the regulatory levels. The only VOCs detected were tetrachloroethene in sample SB-7 (6'-7') at a concentration of 0.0065 ppm, well below the TAGM RSCO of 1.4 ppm and chloroform in SB-2 (6'-8'), at a concentration of 0.028 ppm, below its TAGM RSCO of 0.3 ppm and Part 375 SCO of 350 ppm. These detections may be attributable to the urban fill or to past on- or off-site solvent use or industrial and manufacturing operations in the area. Nonetheless, the levels detected are not significant.

Semivolatile Organic Compounds (SVOCs)

Due to the small amount of recovered soil, SB-4 was not tested for SVOCs. Soil analytical results are presented as Table 1B. However, to accurately quantify the SVOCs for comparison with the RSCOs, the polycyclic aromatic hydrocarbons (PAHs) portion of the SVOCs were re-analyzed by the laboratory at lower detection limits. The results of the re-analysis are presented in Table 1C.

The only regulatory level exceedence occurred in SB-3 (Surface Sample) with a concentration of 4.5 ppm of benzo(a)pyrene (TAGM RSCO of 0.061 ppm, and Part 375 SCO of 1 ppm). Based on the concentration detected and on the history of the site, the compound is likely from the urban fill and not from an on-site release or spill.

Other SVOCs detected below their SCOs and RSCOs in the analyzed soil samples included PAHs, which are commonly found in urban fill, including benzo(a)anthracene, benzo(a)pyrene, pyrene, Indeno(1,2,3,-cd)pyrene, phenanthrene, benzo(b)fluoranthene, benzo(ghi)perylene, benzo(k)fluoranthene, and chrysene.

Based on the analytical results and field observations, the PAHs are attributable to the urban fill. The nature and levels of SVOCs detected are not likely indicative of contamination from a release or spill.

Metals

Soil analytical results for metals are presented in Table 1D. Metals analysis was not conducted on samples SB-1and SB-4 (both from directly below the floor slab) due to the insufficient amount of recovered soil. Metals were detected in the six soil samples analyzed, however only two exceedences were found of SCOs, RSCOs or TAGM background ranges: Magnesium was detected in SB-3 (Surface Sample) with a concentration of 8700 ppm, exceeding the Eastern USA background range of 100-5,000 ppm (no background levels were given for Part 375 SCO or TAGM RSCO for this compound.) Mercury was detected in SB-2 (6'-8') at a concentration of 2.9 ppm, exceeding the Eastern USA Standard of 0.001-0.2 ppm, the TAGM RSCO of 0.1 ppm, and slightly exceeding the Part 375 SCO of 2.8 ppm. Other metals detected below regulatory standards included calcium, chromium, cobalt, copper, iron, lead, manganese, nickel, potassium, vanadium and zinc. Based on the nature and concentrations of metals detected, including the exceedences, the metals are attributable to the urban fill and not to a specific release or spill.

5.3 Groundwater Analysis Results

Groundwater samples were collected from soil borings locations SB-2, SB-7 and an existing monitoring well (Existing MW-3), located on the eastern sidewalk of the 1560 Boone Avenue

building. Laboratory analytical results were compared to the NYSDEC Class GA Ambient Water Quality Standards (drinking water standards), although groundwater in the Bronx is not used as a potable source. Laboratory analytical data sheets are included in Appendix B.

Volatile Organic Compounds

Results for VOCs are provided as Table 2A. 1,2,4-trimethylbenzene, 1,2,4,5-tetramethylbenzene, 1,4-diethylbenzene, isopropylbenzene, n-propylbenzene, sec-butylbenzene and naphthalene were detected in sample GW-2 (Existing MW-3), located on the eastern sidewalk of the 1560 Boone Avenue building. 1,2,4,5-tetramethylbenzene was detected in GW-2 at a concentration of 14 parts per billion (ppb), exceeding the Class GA standard of 5 ppb. 1,2,4-trimethylbenzene, n-butylbenzene, isopropylbenzene, n-propylbenzene, sec-butylbenzene and p-isopropyltoluene were detected at concentrations of 51 ppb, 3.2 ppb, 14 ppb,14 ppb, 6.6 ppb and 2.5 ppb respectively, above the Class GA standard of 1 ppb for these compounds. Naphthalene was detected at a concentration of 60 ppb above the Class GA standard of 10 ppb. These compounds are typically associated with gasoline, however, no past or present on-site gasoline usage was indicated in the Phase I ESA for the 1560 Boone Avenue location. Although a gas tank was located at 1559 Boone Avenue, this is relatively distant from where GW-2 was collected and since no significant gasoline-related compounds were detected in any of the soil samples, these VOCs may well be reflective of area groundwater quality affected by industrial, automotive and manufacturing usages, rather than indicative of a specific on-site release or spill.

Three commonly found solvents: trichloroethene, tetrachloroethene, and cis-1,2-dichloroethene were detected in GW-3 (SB-7), at concentrations of 5.5 ppb, 26 ppb and 6.5 ppb respectively, above their Class GA standards of 5 ppb. These exceedences may be indicative of on-site solvent use or area groundwater quality.

Chloroform was detected in GW-1 (SB-2) at a concentration of 18 ppb, above the Class GA standard of 7 ppb. This is a typical compound detected in groundwater in industrial areas of New York.

Semi-Volatile Organic Compounds

As with the SVOC soil samples, re-analysis of the PAH portion was required to more accurately quantify these compounds for comparison with Class GA standards. As shown in Table 2B and Table 2C, PAHs were detected in samples GW-2 (Existing MW-3) and GW-1 (SB-2). Naphthalene was detected in sample GW-2 (Existing MW-3) at a concentration of 41 ppb, above the Class GA standard of 10 ppb and benzo(a)pyrene was detected in sample GW-1 (SB-2) at a concentration of 0.22 ppb (the standard is “none detected”).. No other SVOCs were detected above Class GA standards.

Napthalene is also a parameter in the VOC list and its potential source was discussed above. The detection of benzo(a)pyrene is likely attributable to the urban fill or an artifact of soil particles entrained in the (unfiltered) sample.

It should be noted that even in the re-analysis of the PAHs, some of the compound detection limits could not be reduced below the Class GA standards. As such, some PAHs may be present in the groundwater samples at concentrations below the laboratory detection limits.

Metals

Groundwater analytical results for total and dissolved metals are presented in Table 2D. In total metals analysis, eighteen metals were detected in the groundwater sample analyzed. Of those metals, cadmium, chromium, copper, iron, lead, magnesium, manganese, mercury, nickel, and

sodium were detected at concentrations above their respective Class GA standards. However, in the filtered (dissolved) analyses, only four metals were detected at concentrations above Class GA standards (magnesium, manganese, iron and sodium).

Since the sample for total metals analysis is not filtered, particles in the surrounding soil, agitated by the sampling process, become entrained in the groundwater sample. The concentrations of total metals exceeding the standards are likely due to the suspended sediments in the collected sample and not indicative of significant contamination from past operations. The detected levels in the dissolved analysis are typical of local groundwater quality in industrial areas of New York and are not indicative of a release or spill.

6.0 CONCLUSIONS AND RECOMMENDATIONS

AKRF, Inc. (AKRF) conducted a subsurface (Phase II) investigation at the 1559 & 1560 Boone Avenue property in The Bronx, New York to determine whether current or former on- or off-site activities have adversely affected environmental conditions.

Seven soil borings were advanced (see Figure 2) and eight soil and three groundwater samples were collected for laboratory analysis. Soil encountered primarily consisted of a 4 to 15 inches fill layer. In borings SB-1, SB-2 and SB-3 in the eastern portion of the site, the fill was underlain by seemingly native material. In the remaining borings, bedrock was encountered at very shallow depths. Groundwater, when encountered, was at a depth of approximately 4 to 8 feet.

Soil sampling results were compared to the New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR Part 375 Remedial Program Soil Cleanup Objectives (SCOs) for Commercial Use and the Recommended Soil Cleanup Objectives (RSCOs) outlined in the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) 4046. In addition, results of the soil metals analyses were compared to Eastern United States background levels published in TAGM No. 4046. Groundwater analytical results were compared to the NYSDEC Class GA Ambient Water Quality Standards (drinking water standards), although groundwater in the Bronx is not used as a potable source.

Soil Sampling

Results of the soil sampling were that no volatile organic compounds (VOCs) were detected above the comparison levels and the one exceedance for semi volatile organic compounds (SVOCs) and the detected levels of metals were attributable to fill material rather than a site release or spill.

Groundwater Sampling

Results of the groundwater sampling indicated likely gasoline-related contamination in sample GW-2 (Existing MW-3), located on the eastern sidewalk of 1560 Boone Avenue. No gasoline usage is known to have occurred at this building. Although a gasoline tank was located at 1559 Boone Avenue, this is relatively distant and since no significant gasoline-related compounds were detected in any of the soil samples, these VOCs may well be reflective of area groundwater quality affected by industrial, automotive and manufacturing usages, rather than indicative of a specific on-site release or spill.

Three solvents (trichloroethene, tetrachloroethene, and cis-1,2-dichloroethene) detected in GW-3 (SB-7) and chloroform detected in GW-1 (SB-2), at concentrations above the Class GA standards may be indicative of on-site solvent use or more likely area groundwater quality.

SVOCs and metals detections were typical of groundwater quality in New York City and not indicative of a release or spill.

Recommendations

No evidence of significant petroleum-contaminated soil was detected by this study, but such contamination may be present in other areas not tested by AKRF as access to the site was limited. No further investigation is recommended if the site is to remain in its present usage.

Should redevelopment be contemplated, AKRF recommends the following:

- If petroleum storage tanks, petroleum-contaminated soil or groundwater or other evidence of a release or spill is encountered, if required by NYS law, it should be reported to the New York State

Department of Environmental Conservation (NYSDEC) and remediated in accordance with applicable regulations.

- All soil and any other materials intended for off-site disposal should be tested in accordance with the requirements of the intended receiving facilities and transportation and disposal of this material must be in accordance with federal, state and local requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.
- To minimize the potential for impacts to the community and construction workers, all construction work involving soil disturbance should be performed under a site-specific environmental construction health and safety plan (CHASP). The CHASP would be based on the results of this Phase II study and would specify appropriate testing and/or monitoring and detail appropriate measures to be implemented (including notification of regulatory agencies) if underground storage tanks, soil or groundwater contamination, or other unforeseen environmental conditions are encountered.
- If dewatering is required, the water might require pretreatment prior to discharge into the sewer system. Discharge water must meet the New York City Department of Environmental Protection (NYCDEP) criteria for effluent to municipal sewers, in accordance with the NYCDEP Bureau of Wastewater Treatment (BWT) Wastewater Quality Control Permit and dewatering will require testing of the water prior to obtaining an appropriate permit or approval.

7.0 LIMITATIONS

The findings set forth in this report are strictly limited in scope and time to the date of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report.

This report may contain conclusions that are based on the analysis of data collected at the time and locations noted in the report through intrusive or non-intrusive sampling. However, further investigation might reveal additional data or variations of the current data, which may differ from our understanding of the conditions presented in this report and require the enclosed recommendations to be reevaluated or modified. In particular, portions of the site were inaccessible.

Chemical analyses may have been performed for specific parameters during the course of this investigation, as summarized in the text and tables. It should be noted that additional chemical constituents, not searched for during this investigation, may be present at the site. Due to the nature of the investigation and the limited data available, no warranty, expressed or implied, shall be construed with respect to undiscovered liabilities. The presence of biological hazards, radioactive materials, lead-based paint and asbestos-containing materials was not investigated, unless specified in the report.

Interpretations of the data, including comparison to regulatory standards, guidelines or background values, are not opinions that these comparisons are legally applicable. Furthermore, any conclusions or recommendations should not be construed as legal advice. For such advice, the client is recommended to seek appropriate legal counsel. Disturbance, handling, transportation, storage and disposal of known or potentially contaminated materials is subject to all applicable laws, which may or may not be fully described as part of this report.

The analytical data, conclusions, and/or recommendations provided in this report should not be construed in any way as a classification of waste that may be generated during future disturbance of the project site. Waste(s) generated at the site including excess fill may be considered regulated solid waste and potentially hazardous waste. Requirements for intended disposal facilities should be determined beforehand as the data provided in this report may be insufficient and could vary following additional sampling.

This report may be based solely or partially on data collected, conducted, and provided by, AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. In addition, these reports may have been based upon available previous reports, historical records, documentation from federal, state and local government agencies, personal interviews, and geological mapping. This report is subject, at a minimum, to the limitations of the previous reports, historical documents, availability and accuracy of collected documentation, and personal recollection of those persons interviewed. In certain instances, AKRF has been required to assume that the information provided is accurate with limited or no corroboratory evidence.

This report is intended for the use solely by Signature Urban Properties, LLC. Reliance by third parties on the information and opinions contained herein is strictly prohibited and requires the written consent of AKRF. AKRF accepts no responsibility for damages incurred by third parties for any decisions or actions taken based on this report. This report must be used, interpreted, and presented in its entirety.

8.0 SOIL DISPOSAL ISSUES

In addition to the discussions in the Conclusions and Recommendations, and Limitations Sections (Sections 6.0 and 7.0), the issue of appropriate management of off-site disposal of soil warrants careful consideration. Any material being disposed of off-site is a regulated waste, and disposal must be in accordance with:

- Requirements of the specific receiving facility;
- Requirements of any agencies overseeing the cleanup/excavation; and
- Federal and state requirements (sometimes in both the state where the soil is generated and where disposal will occur).

For hazardous wastes and petroleum-contaminated soil (and other 'clearly contaminated' materials), the requirements are usually fairly well defined. It is in the situation where contamination is not readily apparent (e.g., so called "historic or urban fill" or "construction and demolition debris" or material that may have been formerly identified as "clean fill") that present the greatest potential for problems and cost overruns. Even on sites where no contamination requiring remediation is identified, it is common that most of the excavated material is considered "contaminated" for purposes of waste disposal. Concentrations of the various contaminants in historic fill can be highly variable, and upon further testing, the material could contain higher contaminant concentrations than outlined in this investigation. Portions of this material could be classified as hazardous waste.

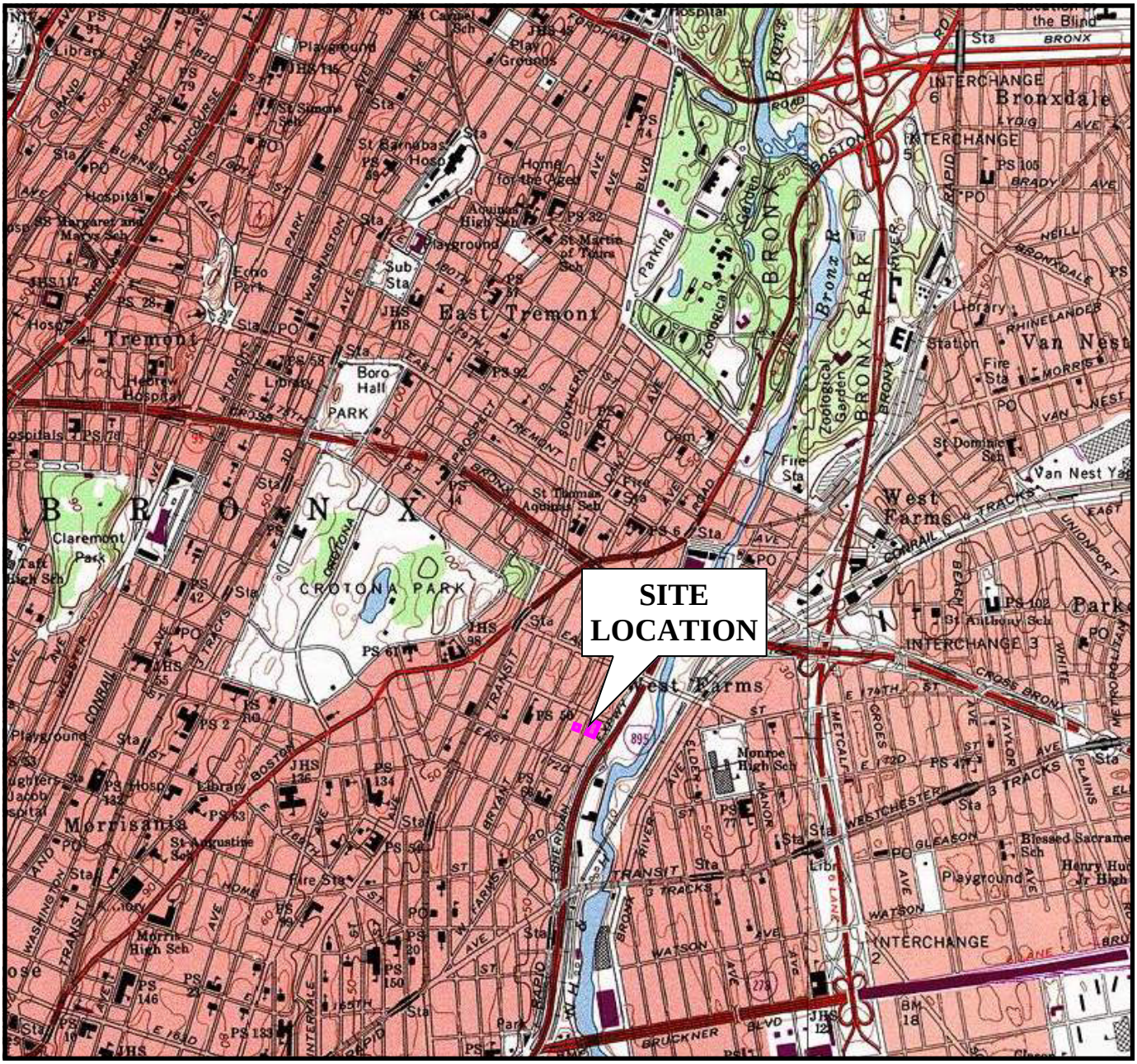
It is important that the intended disposal facility (or facilities) be identified in advance of off-site disposal. Agency approval is sometimes required for disposal, and the facility will frequently require additional testing prior to (and sometimes at the time of) accepting material. Material must conform to a lengthy list of requirements based on both chemical composition and sometimes numerous other parameters (related to size, percentage of liquids, presence of odors, etc.) for acceptance at the facility. Assuming (or allowing a contractor to assume) that all, or even most, of the soil from a site can be disposed of at minimal cost may result in unanticipated and expensive change orders.

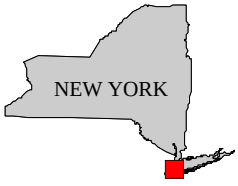
For these above reasons, we recommend that professional advice be sought prior to preparing bid documents and contracts incorporating soil disposal.

9.0 REFERENCES

1. U.S. Geological Survey; Central Park Quadrangle—Central Park/New Jersey; 7.5 Minute Series (Topographic); Scale 1:24,000; 1966; Photorevised 1979.
2. TAGM: Technical and Administrative Guidance Memorandum #4046., Determination of Soil Cleanup Objectives and Cleanup Levels.(mg/kg), NYSDEC, January 24, 1994
3. 6 NYCRR Part 612.2 Registration of Petroleum Storage Facilities, Environmental Conservation Law, §§17-1001, et seq.
4. AKRF, Inc., Phase I Environmental Site Assessment; 1559 & 1560 Boone Avenue, Bronx, New York, prepared for: Signature Urban Properties, LLC, May 2008.

FIGURES

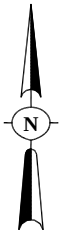




SCALE IN FEET

0’ 1000’ 2000’ 4000’

SCALE: 1”=2000’



SOURCE:

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

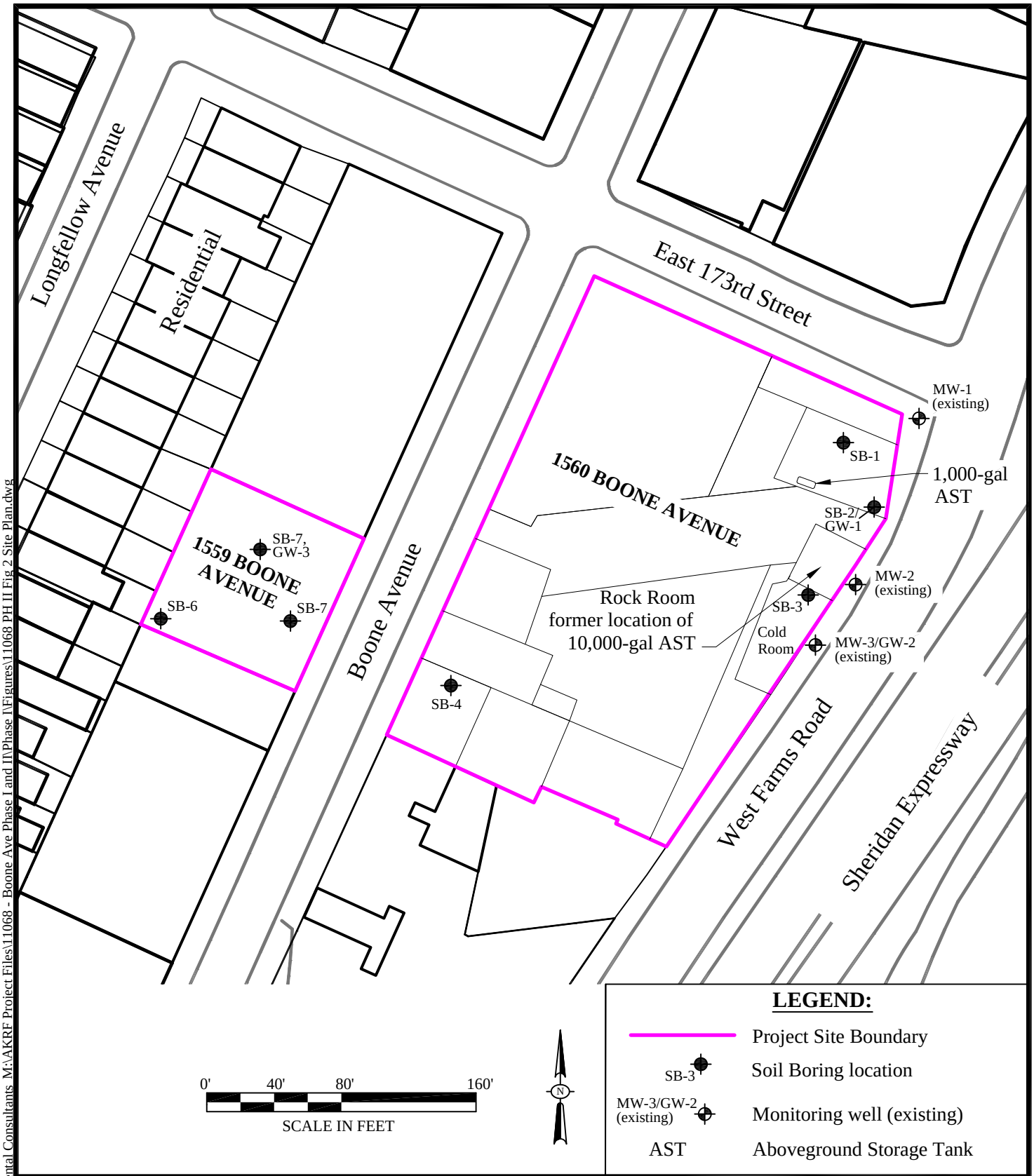
1559-1560 BOONE AVENUE
BRONX, NEW YORK

PROJECT SITE LOCATION

AKRF

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

DATE	4.21.08
PROJECT No.	11068
SCALE	As shown
FIGURE	1



1559-1560 BOONE AVENUE

BRONX, NEW YORK

SITE PLAN DETAIL

AKRF

Environmental Consultants

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

DATE **5.06.08**

PROJECT No. **11068**

SCALE **as shown**

FIGURE **2**

TABLES

Tables 1A-D
1559 and 1560 Boone Avenue
Bronx, NY

Subsurface (Phase II) Investigation Soil Analytical Results

Notes

GENERAL

NS : No soil cleanup objective listed.

NA : Not Analyzed

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

SB : Site Background

Exceedences are highlighted in bold font.

Part 375 Soil Cleanup Objective		Soil Clean-up Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Park 375).
TAGM 4046 RSCO	**:**	Recommended Soil Cleanup Objective listed in New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) #4046 (exceedances indicated in bold).
Eastern US 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)

Table 1A
1559 and 1560 Boone Avenue
Bronx, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled mg/kg	Part 375 Soil Cleanup Objective Commercial mg/kg	TAGM 4046 RSCO mg/kg	SB-1 (DIRECTLY BELOW SLAB) L0805417-01 4/16/2008	SB-2 (6'-8') L0805417-02 4/16/2008	SB-3 (SURFACE SAMPLE) L0805417-03 4/16/2008	SB-4 (DIRECTLY BELOW SLAB) L0805417-04 4/16/2008
1,1,1,2-Tetrachloroethane	NS	NS	0.0026 U	0.0032 U	0.003 U	0.0028 U
1,1,1-Trichloroethane	500	0.8	0.0026 U	0.0032 U	0.003 U	0.0028 U
1,1,2,2-Tetrachloroethane	NS	0.6	0.0026 U	0.0032 U	0.003 U	0.0028 U
1,1,2-Trichloroethane	NS	NS	0.0039 U	0.0047 U	0.0045 U	0.0042 U
1,1-Dichloroethane	240	0.2	0.0039 U	0.0047 U	0.0045 U	0.0042 U
1,1-Dichloroethene	500	0.4	0.0026 U	0.0032 U	0.003 U	0.0028 U
1,1-Dichloropropene	NS	NS	0.013 U	0.016 U	0.015 U	0.014 U
1,2,3-Trichlorobenzene	NS	NS	0.013 U	0.016 U	0.015 U	0.014 U
1,2,3-Trichloropropane	NS	0.4	0.026 U	0.032 U	0.03 U	0.028 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.0026 U	0.0032 U	0.003 U	0.0028 U
1,2,4-Trichlorobenzene	NS	3.4	0.013 U	0.016 U	0.015 U	0.014 U
1,2,4-Trimethylbenzene	190	10	0.013 U	0.016 U	0.015 U	0.014 U
1,2-Dibromo-3-chloropropane	NS	NS	0.013 U	0.016 U	0.015 U	0.014 U
1,2-Dibromoethane	NS	NS	0.01 U	0.013 U	0.012 U	0.011 U
1,2-Dichlorobenzene	500	7.9	0.013 U	0.016 U	0.015 U	0.014 U
1,2-Dichloroethane	30	0.1	0.0026 U	0.0032 U	0.003 U	0.0028 U
1,2-Dichloropropane	NS	NS	0.009 U	0.011 U	0.01 U	0.0098 U
1,3,5-Trimethylbenzene	190	3.3	0.013 U	0.016 U	0.015 U	0.014 U
1,3-Dichlorobenzene	280	1.6	0.013 U	0.016 U	0.015 U	0.014 U
1,3-Dichloropropane	NS	0.3	0.013 U	0.016 U	0.015 U	0.014 U
1,4-Dichlorobenzene	130	8.5	0.013 U	0.016 U	0.015 U	0.014 U
1,4-Diethylbenzene	NS	NS	0.0026 U	0.0032 U	0.003 U	0.0028 U
2,2-Dichloropropane	NS	NS	0.013 U	0.016 U	0.015 U	0.014 U
2-Butanone	500	0.3	0.026 U	0.032 U	0.03 U	0.028 U
2-Hexanone	NS	NS	0.026 U	0.032 U	0.03 U	0.028 U
4-Ethyltoluene	NS	NS	0.0026 U	0.0032 U	0.003 U	0.0028 U
4-Methyl-2-pentanone	NS	1	0.026 U	0.032 U	0.03 U	0.028 U
Acetone	500	0.2	0.026 U	0.032 U	0.03 U	0.028 U
Acrylonitrile	NS	NS	0.026 U	0.032 U	0.03 U	0.028 U
Benzene	44	0.06	0.0026 U	0.0032 U	0.003 U	0.0028 U
Bromobenzene	NS	NS	0.013 U	0.016 U	0.015 U	0.014 U
Bromochloromethane	NS	NS	0.013 U	0.016 U	0.015 U	0.014 U
Bromodichloromethane	NS	NS	0.0026 U	0.0032 U	0.003 U	0.0028 U
Bromoform	NS	NS	0.01 U	0.013 U	0.012 U	0.011 U
Bromomethane	NS	NS	0.0052 U	0.0063 U	0.006 U	0.0056 U
Carbon disulfide	NS	2.7	0.026 U	0.032 U	0.03 U	0.028 U
Carbon tetrachloride	22	0.6	0.0026 U	0.0032 U	0.003 U	0.0028 U
Chlorobenzene	500	1.7	0.0026 U	0.0032 U	0.003 U	0.0028 U
Chloroethane	NS	1.9	0.0052 U	0.0063 U	0.006 U	0.0056 U
Chloroform	350	0.3	0.0039 U	0.028	0.0045 U	0.0042 U
Chloromethane	NS	NS	0.013 U	0.016 U	0.015 U	0.014 U
cis-1,2-Dichloroethene	500	NS	0.0026 U	0.0032 U	0.003 U	0.0028 U
cis-1,3-Dichloropropene	NS	NS	0.0026 U	0.0032 U	0.003 U	0.0028 U
Dibromochloromethane	NS	NS	0.0026 U	0.0032 U	0.003 U	0.0028 U
Dibromomethane	NS	NS	0.026 U	0.032 U	0.03 U	0.028 U
Dichlorodifluoromethane	NS	NS	0.026 U	0.032 U	0.03 U	0.028 U
Ethylbenzene	390	5.5	0.0026 U	0.0032 U	0.003 U	0.0028 U
Hexachlorobutadiene	NS	NS	0.013 U	0.016 U	0.015 U	0.014 U
Isopropylbenzene	NS	2.3	0.0026 U	0.0032 U	0.003 U	0.0028 U
Methyl tert butyl ether	500	0.12	0.0052 U	0.0063 U	0.006 U	0.0056 U
Methylene chloride	500	0.1	0.026 U	0.032 U	0.03 U	0.028 U
Naphthalene	500	13	0.013 U	0.016 U	0.015 U	0.014 U
n-Butylbenzene	500	10	0.0026 U	0.0032 U	0.003 U	0.0028 U
n-Propylbenzene	500	3.7	0.0026 U	0.0032 U	0.003 U	0.0028 U
o-Chlorotoluene	NS	NS	0.013 U	0.016 U	0.015 U	0.014 U
o-Xylene	500	0.6	0.0052 U	0.0063 U	0.006 U	0.0056 U
p/m-Xylene	NS	NS	0.0052 U	0.0063 U	0.006 U	0.0056 U
p-Chlorotoluene	NS	NS	0.013 U	0.016 U	0.015 U	0.014 U
p-Isopropyltoluene	NS	10	0.0026 U	0.0032 U	0.003 U	0.0028 U
sec-Butylbenzene	500	10	0.0026 U	0.0032 U	0.003 U	0.0028 U
Styrene	NS	NS	0.0052 U	0.0063 U	0.006 U	0.0056 U
tert-Butylbenzene	500	10	0.013 U	0.016 U	0.015 U	0.014 U
Tetrachloroethene	150	1.4	0.0026 U	0.0032 U	0.003 U	0.0028 U
Toluene	500	1.5	0.0039 U	0.0047 U	0.0045 U	0.0042 U
trans-1,2-Dichloroethene	500	0.3	0.0039 U	0.0047 U	0.0045 U	0.0042 U
trans-1,3-Dichloropropene	NS	NS	0.0026 U	0.0032 U	0.003 U	0.0028 U
Trichloroethene	200	0.7	0.0026 U	0.0032 U	0.003 U	0.0028 U
Trichlorofluoromethane	NS	NS	0.013 U	0.016 U	0.015 U	0.014 U
Vinyl acetate	NS	NS	0.026 U	0.032 U	0.03 U	0.028 U
Vinyl chloride	13	0.2	0.0052 U	0.0063 U	0.006 U	0.0056 U

Table 1A
1559 and 1560 Boone Avenue
Bronx, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled mg/kg	Part 375 Soil Cleanup Objective Commercial mg/kg	TAGM 4046 RSCO mg/kg	SB-5 (4-5) L0805417-05 4/16/2008	SB-6 (2-3) FILL L0805417-06 4/16/2008	SB-6 (8-9) L0805417-07 4/16/2008	SB-7 (6-7) L0805417-08 4/16/2008
1,1,1,2-Tetrachloroethane	NS	NS	0.0031 U	0.0028 U	0.003 U	0.0031 U
1,1,1-Trichloroethane	500	0.8	0.0031 U	0.0028 U	0.003 U	0.0031 U
1,1,2,2-Tetrachloroethane	NS	0.6	0.0031 U	0.0028 U	0.003 U	0.0031 U
1,1,2-Trichloroethane	NS	NS	0.0046 U	0.0042 U	0.0045 U	0.0047 U
1,1-Dichloroethane	240	0.2	0.0046 U	0.0042 U	0.0045 U	0.0047 U
1,1-Dichloroethene	500	0.4	0.0031 U	0.0028 U	0.003 U	0.0031 U
1,1-Dichloropropene	NS	NS	0.015 U	0.014 U	0.015 U	0.016 U
1,2,3-Trichlorobenzene	NS	NS	0.015 U	0.014 U	0.015 U	0.016 U
1,2,3-Trichloropropane	NS	0.4	0.031 U	0.028 U	0.03 U	0.031 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.0031 U	0.0028 U	0.003 U	0.0031 U
1,2,4-Trichlorobenzene	NS	3.4	0.015 U	0.014 U	0.015 U	0.016 U
1,2,4-Trimethylbenzene	190	10	0.015 U	0.014 U	0.015 U	0.016 U
1,2-Dibromo-3-chloropropane	NS	NS	0.015 U	0.014 U	0.015 U	0.016 U
1,2-Dibromoethane	NS	NS	0.012 U	0.011 U	0.012 U	0.012 U
1,2-Dichlorobenzene	500	7.9	0.015 U	0.014 U	0.015 U	0.016 U
1,2-Dichloroethane	30	0.1	0.0031 U	0.0028 U	0.003 U	0.0031 U
1,2-Dichloropropane	NS	NS	0.011 U	0.0097 U	0.01 U	0.011 U
1,3,5-Trimethylbenzene	190	3.3	0.015 U	0.014 U	0.015 U	0.016 U
1,3-Dichlorobenzene	280	1.6	0.015 U	0.014 U	0.015 U	0.016 U
1,3-Dichloropropane	NS	0.3	0.015 U	0.014 U	0.015 U	0.016 U
1,4-Dichlorobenzene	130	8.5	0.015 U	0.014 U	0.015 U	0.016 U
1,4-Diethylbenzene	NS	NS	0.0031 U	0.0028 U	0.003 U	0.0031 U
2,2-Dichloropropane	NS	NS	0.015 U	0.014 U	0.015 U	0.016 U
2-Butanone	500	0.3	0.031 U	0.028 U	0.03 U	0.031 U
2-Hexanone	NS	NS	0.031 U	0.028 U	0.03 U	0.031 U
4-Ethyltoluene	NS	NS	0.0031 U	0.0028 U	0.003 U	0.0031 U
4-Methyl-2-pentanone	NS	1	0.031 U	0.028 U	0.03 U	0.031 U
Acetone	500	0.2	0.031 U	0.028 U	0.03 U	0.031 U
Acrylonitrile	NS	NS	0.031 U	0.028 U	0.03 U	0.031 U
Benzene	44	0.06	0.0031 U	0.0028 U	0.003 U	0.0031 U
Bromobenzene	NS	NS	0.015 U	0.014 U	0.015 U	0.016 U
Bromochloromethane	NS	NS	0.015 U	0.014 U	0.015 U	0.016 U
Bromodichloromethane	NS	NS	0.0031 U	0.0028 U	0.003 U	0.0031 U
Bromoform	NS	NS	0.012 U	0.011 U	0.012 U	0.012 U
Bromomethane	NS	NS	0.0062 U	0.0056 U	0.006 U	0.0062 U
Carbon disulfide	NS	2.7	0.031 U	0.028 U	0.03 U	0.031 U
Carbon tetrachloride	22	0.6	0.0031 U	0.0028 U	0.003 U	0.0031 U
Chlorobenzene	500	1.7	0.0031 U	0.0028 U	0.003 U	0.0031 U
Chloroethane	NS	1.9	0.0062 U	0.0056 U	0.006 U	0.0062 U
Chloroform	350	0.3	0.0046 U	0.0042 U	0.0045 U	0.0047 U
Chloromethane	NS	NS	0.015 U	0.014 U	0.015 U	0.016 U
cis-1,2-Dichloroethene	500	NS	0.0031 U	0.0028 U	0.003 U	0.0031 U
cis-1,3-Dichloropropene	NS	NS	0.0031 U	0.0028 U	0.003 U	0.0031 U
Dibromochloromethane	NS	NS	0.0031 U	0.0028 U	0.003 U	0.0031 U
Dibromomethane	NS	NS	0.031 U	0.028 U	0.03 U	0.031 U
Dichlorodifluoromethane	NS	NS	0.031 U	0.028 U	0.03 U	0.031 U
Ethylbenzene	390	5.5	0.0031 U	0.0028 U	0.003 U	0.0031 U
Hexachlorobutadiene	NS	NS	0.015 U	0.014 U	0.015 U	0.016 U
Isopropylbenzene	NS	2.3	0.0031 U	0.0028 U	0.003 U	0.0031 U
Methyl tert butyl ether	500	0.12	0.0062 U	0.0056 U	0.006 U	0.0062 U
Methylene chloride	500	0.1	0.031 U	0.028 U	0.03 U	0.031 U
Naphthalene	500	13	0.015 U	0.014 U	0.015 U	0.016 U
n-Butylbenzene	500	10	0.0031 U	0.0028 U	0.003 U	0.0031 U
n-Propylbenzene	500	3.7	0.0031 U	0.0028 U	0.003 U	0.0031 U
o-Chlorotoluene	NS	NS	0.015 U	0.014 U	0.015 U	0.016 U
o-Xylene	500	0.6	0.0062 U	0.0056 U	0.006 U	0.0062 U
p/m-Xylene	NS	NS	0.0062 U	0.0056 U	0.006 U	0.0062 U
p-Chlorotoluene	NS	NS	0.015 U	0.014 U	0.015 U	0.016 U
p-Isopropyltoluene	NS	10	0.0031 U	0.0028 U	0.003 U	0.0031 U
sec-Butylbenzene	500	10	0.0031 U	0.0028 U	0.003 U	0.0031 U
Styrene	NS	NS	0.0062 U	0.0056 U	0.006 U	0.0062 U
tert-Butylbenzene	500	10	0.015 U	0.014 U	0.015 U	0.016 U
Tetrachloroethene	150	1.4	0.0031 U	0.0028 U	0.003 U	0.0065
Toluene	500	1.5	0.0046 U	0.0042 U	0.0045 U	0.0047 U
trans-1,2-Dichloroethene	500	0.3	0.0046 U	0.0042 U	0.0045 U	0.0047 U
trans-1,3-Dichloropropene	NS	NS	0.0031 U	0.0028 U	0.003 U	0.0031 U
Trichloroethene	200	0.7	0.0031 U	0.0028 U	0.003 U	0.0031 U
Trichlorofluoromethane	NS	NS	0.015 U	0.014 U	0.015 U	0.016 U
Vinyl acetate	NS	NS	0.031 U	0.028 U	0.03 U	0.031 U
Vinyl chloride	13	0.2	0.0062 U	0.0056 U	0.006 U	0.0062 U

Table 1B
1559 and 1560 Boone Avenue
Bronx, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semi Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled mg/kg	Part 375 Soil Cleanup Objective Commercial mg/kg	TAGM 4046 RSCO mg/kg	SB-1 (DIRECTLY BELOW SLAB) L0805417-01 4/16/2008	SB-1 (DIRECTLY BELOW SLAB) L0805417-01 4/16/2008 (re-extraction)	SB-2 (6'-8') L0805417-02 4/16/2008	SB-3 (SURFACE SAMPLE) L0805417-03 4/16/2008
1,2,4,5-Tetrachlorobenzene	NS	NS	1.4 U	1.4 U	1.7 U	7.9 U
1,2,4-Trichlorobenzene	NS	3.4	0.34 U	0.34 U	0.42 U	2 U
1,2-Dichlorobenzene	500	7.9	0.34 U	0.34 U	0.42 U	2 U
1,3-Dichlorobenzene	280	1.6	0.34 U	0.34 U	0.42 U	2 U
1,4-Dichlorobenzene	130	8.5	0.34 U	0.34 U	0.42 U	2 U
2,4,5-Trichlorophenol	NS	0.1	0.34 U	0.34 U	0.42 U	2 U
2,4,6-Trichlorophenol	NS	NS	0.34 U	0.34 U	0.42 U	2 U
2,4-Dichlorophenol	NS	0.4	0.69 U	0.69 U	0.84 U	4 U
2,4-Dimethylphenol	NS	NS	0.34 U	0.34 U	0.42 U	2 U
2,4-Dinitrophenol	NS	0.2	1.4 U	1.4 U	1.7 U	7.9 U
2,4-Dinitrotoluene	NS	NS	0.34 U	0.34 U	0.42 U	2 U
2,6-Dinitrotoluene	NS	1	0.34 U	0.34 U	0.42 U	2 U
2-Chloronaphthalene	NS	NS	0.41 U	0.41 U	0.51 U	2.4 U
2-Chlorophenol	NS	0.8	0.41 U	0.41 U	0.51 U	2.4 U
2-Methylnaphthalene	NS	36.4	0.34 U	0.34 U	0.42 U	2 U
2-Methylphenol	500	0.1	0.41 U	0.41 U	0.51 U	2.4 U
2-Nitroaniline	NS	0.43	0.34 U	0.34 U	0.42 U	2 U
2-Nitrophenol	NS	0.33	1.4 U	1.4 U	1.7 U	7.9 U
3,3'-Dichlorobenzidine	NS	NS	0.69 U	0.69 U	0.84 U	4 U
3-Methylphenol/4-Methylphenol	NS	NS	0.41 U	0.41 U	0.51 U	2.4 U
3-Nitroaniline	NS	0.5	0.34 U	0.34 U	0.42 U	2 U
4,6-Dinitro-o-cresol	NS	NS	1.4 U	1.4 U	1.7 U	7.9 U
4-Bromophenyl phenyl ether	NS	NS	0.34 U	0.34 U	0.42 U	2 U
4-Chloroaniline	NS	0.22	0.34 U	0.34 U	0.42 U	2 U
4-Chlorophenyl phenyl ether	NS	NS	0.34 U	0.34 U	0.42 U	2 U
4-Nitroaniline	NS	NS	0.48 U	0.48 U	0.59 U	2.8 U
4-Nitrophenol	NS	0.1	0.69 U	0.69 U	0.84 U	4 U
Acenaphthene	500	50	0.34 U	0.34 U	0.42 U	2 U
Acenaphthylene	500	41	0.34 U	0.34 U	0.42 U	2 U
Acetophenone	NS	NS	1.4 U	1.4 U	1.7 U	7.9 U
Anthracene	500	50	0.34 U	0.34 U	0.42 U	2 U
Benzo(a)anthracene	5.6	0.224	0.34 U	0.34 U	0.42 U	3
Benzo(a)pyrene	1	0.061	0.34 U	0.34 U	0.42 U	**2.8**
Benzo(b)fluoranthene	5.6	1.1	0.34 U	0.34 U	0.42 U	3.6
Benzo(ghi)perylene	500	50	0.34 U	0.34 U	0.42 U	2 U
Benzo(k)fluoranthene	56	1.1	0.34 U	0.34 U	0.42 U	2 U
Benzoic Acid	NS	2.7	3.4 U	3.4 U	4.2 U	20 U
Benzyl Alcohol	NS	NS	0.69 U	0.69 U	0.84 U	4 U
Biphenyl	NS	NS	0.34 U	0.34 U	0.42 U	2 U
Bis(2-chloroethoxy)methane	NS	NS	0.34 U	0.34 U	0.42 U	2 U
Bis(2-chloroethyl)ether	NS	NS	0.34 U	0.34 U	0.42 U	2 U
Bis(2-chloroisopropyl)ether	NS	NS	0.34 U	0.34 U	0.42 U	2 U
Bis(2-Ethylhexyl)phthalate	NS	50	1.2	1.9	0.84 U	4 U
Butyl benzyl phthalate	NS	50	0.34 U	0.34 U	0.42 U	2 U
Carbazole	NS	NS	0.34 U	0.34 U	0.42 U	2 U
Chrysene	56	0.4	0.34 U	0.34 U	0.42 U	2.6
Dibenzo(a,h)anthracene	0.56	0.014	0.34 U	0.34 U	0.42 U	2 U
Dibenzofuran	350	6.2	0.34 U	0.34 U	0.42 U	2 U
Diethyl phthalate	NS	7.1	0.34 U	0.34 U	0.42 U	2 U
Dimethyl phthalate	NS	2	0.34 U	0.34 U	0.42 U	2 U
Di-n-butylphthalate	NS	8.1	0.34 U	0.34 U	0.42 U	2 U
Di-n-octylphthalate	NS	50	0.34 U	0.34 U	0.42 U	2 U
Fluoranthene	500	50	0.34 U	0.34 U	0.42 U	5
Fluorene	500	50	0.34 U	0.34 U	0.42 U	2 U
Hexachlorobenzene	6	0.41	0.34 U	0.34 U	0.42 U	2 U
Hexachlorobutadiene	NS	NS	0.69 U	0.69 U	0.84 U	4 U
Hexachlorocyclopentadiene	NS	NS	0.69 U	0.69 U	0.84 U	4 U
Hexachloroethane	NS	NS	0.34 U	0.34 U	0.42 U	2 U
Indeno(1,2,3-cd)Pyrene	5.6	3.2	0.34 U	0.34 U	0.42 U	2 U
Isophorone	NS	4.4	0.34 U	0.34 U	0.42 U	2 U
Naphthalene	500	13	0.34 U	0.34 U	0.42 U	2 U
Nitrobenzene	NS	0.2	0.34 U	0.34 U	0.42 U	2 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	1 U	1 U	1.3 U	6 U
n-Nitrosodi-n-propylamine	NS	NS	0.34 U	0.34 U	0.42 U	2 U
P-Chloro-M-Cresol	NS	0.24	0.34 U	0.34 U	0.42 U	2 U
Pentachlorophenol	6.7	1	1.4 U	1.4 U	1.7 U	7.9 U
Phenanthrene	500	50	0.34 U	0.34 U	0.42 U	3.1
Phenol	500	0.03	0.48 U	0.48 U	0.59 U	2.8 U
Pyrene	500	50	0.34 U	0.34 U	0.42 U	4.2

Table 1B
1559 and 1560 Boone Avenue
Bronx, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semi Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled mg/kg	Part 375 Soil Cleanup Objective Commercial mg/kg	TAGM 4046 RSCO mg/kg	SB-4 (DIRECTLY BELOW SLAB) L0805417-04 4/16/2008	SB-5 (4-5) L0805417-05 4/16/2008	SB-6 (2-3) FILL L0805417-06 4/16/2008	SB-6 (8-9) L0805417-07 4/16/2008
1,2,4,5-Tetrachlorobenzene	NS	NS	NA	1.6 U	1.5 U	1.6 U
1,2,4-Trichlorobenzene	NS	3.4	NA	0.41 U	0.37 U	0.4 U
1,2-Dichlorobenzene	500	7.9	NA	0.41 U	0.37 U	0.4 U
1,3-Dichlorobenzene	280	1.6	NA	0.41 U	0.37 U	0.4 U
1,4-Dichlorobenzene	130	8.5	NA	0.41 U	0.37 U	0.4 U
2,4,5-Trichlorophenol	NS	0.1	NA	0.41 U	0.37 U	0.4 U
2,4,6-Trichlorophenol	NS	NS	NA	0.41 U	0.37 U	0.4 U
2,4-Dichlorophenol	NS	0.4	NA	0.82 U	0.74 U	0.79 U
2,4-Dimethylphenol	NS	NS	NA	0.41 U	0.37 U	0.4 U
2,4-Dinitrophenol	NS	0.2	NA	1.6 U	1.5 U	1.6 U
2,4-Dinitrotoluene	NS	NS	NA	0.41 U	0.37 U	0.4 U
2,6-Dinitrotoluene	NS	1	NA	0.41 U	0.37 U	0.4 U
2-Chloronaphthalene	NS	NS	NA	0.49 U	0.44 U	0.48 U
2-Chlorophenol	NS	0.8	NA	0.49 U	0.44 U	0.48 U
2-Methylnaphthalene	NS	36.4	NA	0.41 U	0.37 U	0.4 U
2-Methylphenol	500	0.1	NA	0.49 U	0.44 U	0.48 U
2-Nitroaniline	NS	0.43	NA	0.41 U	0.37 U	0.4 U
2-Nitrophenol	NS	0.33	NA	1.6 U	1.5 U	1.6 U
3,3'-Dichlorobenzidine	NS	NS	NA	0.82 U	0.74 U	0.79 U
3-Methylphenol/4-Methylphenol	NS	NS	NA	0.49 U	0.44 U	0.48 U
3-Nitroaniline	NS	0.5	NA	0.41 U	0.37 U	0.4 U
4,6-Dinitro-o-cresol	NS	NS	NA	1.6 U	1.5 U	1.6 U
4-Bromophenyl phenyl ether	NS	NS	NA	0.41 U	0.37 U	0.4 U
4-Chloroaniline	NS	0.22	NA	0.41 U	0.37 U	0.4 U
4-Chlorophenyl phenyl ether	NS	NS	NA	0.41 U	0.37 U	0.4 U
4-Nitroaniline	NS	NS	NA	0.58 U	0.52 U	0.56 U
4-Nitrophenol	NS	0.1	NA	0.82 U	0.74 U	0.79 U
Acenaphthene	500	50	NA	0.41 U	0.37 U	0.4 U
Acenaphthylene	500	41	NA	0.41 U	0.37 U	0.4 U
Acetophenone	NS	NS	NA	1.6 U	1.5 U	1.6 U
Anthracene	500	50	NA	0.41 U	0.37 U	0.4 U
Benzo(a)anthracene	5.6	0.224	NA	0.41 U	0.37 U	0.4 U
Benzo(a)pyrene	1	0.061	NA	0.41 U	0.37 U	0.4 U
Benzo(b)fluoranthene	5.6	1.1	NA	0.41 U	0.37 U	0.4 U
Benzo(ghi)perylene	500	50	NA	0.41 U	0.37 U	0.4 U
Benzo(k)fluoranthene	56	1.1	NA	0.41 U	0.37 U	0.4 U
Benzoic Acid	NS	2.7	NA	4.1 U	3.7 U	4 U
Benzyl Alcohol	NS	NS	NA	0.82 U	0.74 U	0.79 U
Biphenyl	NS	NS	NA	0.41 U	0.37 U	0.4 U
Bis(2-chloroethoxy)methane	NS	NS	NA	0.41 U	0.37 U	0.4 U
Bis(2-chloroethyl)ether	NS	NS	NA	0.41 U	0.37 U	0.4 U
Bis(2-chloroisopropyl)ether	NS	NS	NA	0.41 U	0.37 U	0.4 U
Bis(2-Ethylhexyl)phthalate	NS	50	NA	0.82 U	0.74 U	0.79 U
Butyl benzyl phthalate	NS	50	NA	0.41 U	0.37 U	0.4 U
Carbazole	NS	NS	NA	0.41 U	0.37 U	0.4 U
Chrysene	56	0.4	NA	0.41 U	0.37 U	0.4 U
Dibenzo(a,h)anthracene	0.56	0.014	NA	0.41 U	0.37 U	0.4 U
Dibenzofuran	350	6.2	NA	0.41 U	0.37 U	0.4 U
Diethyl phthalate	NS	7.1	NA	0.41 U	0.37 U	0.4 U
Dimethyl phthalate	NS	2	NA	0.41 U	0.37 U	0.4 U
Di-n-butylphthalate	NS	8.1	NA	0.41 U	0.37 U	0.4 U
Di-n-octylphthalate	NS	50	NA	0.41 U	0.37 U	0.4 U
Fluoranthene	500	50	NA	0.41 U	0.37 U	0.4 U
Fluorene	500	50	NA	0.41 U	0.37 U	0.4 U
Hexachlorobenzene	6	0.41	NA	0.41 U	0.37 U	0.4 U
Hexachlorobutadiene	NS	NS	NA	0.82 U	0.74 U	0.79 U
Hexachlorocyclopentadiene	NS	NS	NA	0.82 U	0.74 U	0.79 U
Hexachloroethane	NS	NS	NA	0.41 U	0.37 U	0.4 U
Indeno(1,2,3-cd)Pyrene	5.6	3.2	NA	0.41 U	0.37 U	0.4 U
Isophorone	NS	4.4	NA	0.41 U	0.37 U	0.4 U
Naphthalene	500	13	NA	0.41 U	0.37 U	0.4 U
Nitrobenzene	NS	0.2	NA	0.41 U	0.37 U	0.4 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	NA	1.2 U	1.1 U	1.2 U
n-Nitrosodi-n-propylamine	NS	NS	NA	0.41 U	0.37 U	0.4 U
P-Chloro-M-Cresol	NS	0.24	NA	0.41 U	0.37 U	0.4 U
Pentachlorophenol	6.7	1	NA	1.6 U	1.5 U	1.6 U
Phenanthrene	500	50	NA	0.41 U	0.37 U	0.4 U
Phenol	500	0.03	NA	0.58 U	0.52 U	0.56 U
Pyrene	500	50	NA	0.41 U	0.37 U	0.4 U

Table 1B
1559 and 1560 Boone Avenue
Bronx, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semi Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled mg/kg	Part 375 Soil Cleanup Objective Commercial mg/kg	TAGM 4046 RSCO mg/kg	SB-7 (6-7) L0805417-08 4/16/2008
1,2,4,5-Tetrachlorobenzene	NS	NS	1.7 U
1,2,4-Trichlorobenzene	NS	3.4	0.42 U
1,2-Dichlorobenzene	500	7.9	0.42 U
1,3-Dichlorobenzene	280	1.6	0.42 U
1,4-Dichlorobenzene	130	8.5	0.42 U
2,4,5-Trichlorophenol	NS	0.1	0.42 U
2,4,6-Trichlorophenol	NS	NS	0.42 U
2,4-Dichlorophenol	NS	0.4	0.83 U
2,4-Dimethylphenol	NS	NS	0.42 U
2,4-Dinitrophenol	NS	0.2	1.7 U
2,4-Dinitrotoluene	NS	NS	0.42 U
2,6-Dinitrotoluene	NS	1	0.42 U
2-Chloronaphthalene	NS	NS	0.5 U
2-Chlorophenol	NS	0.8	0.5 U
2-Methylnaphthalene	NS	36.4	0.42 U
2-Methylphenol	500	0.1	0.5 U
2-Nitroaniline	NS	0.43	0.42 U
2-Nitrophenol	NS	0.33	1.7 U
3,3'-Dichlorobenzidine	NS	NS	0.83 U
3-Methylphenol/4-Methylphenol	NS	NS	0.5 U
3-Nitroaniline	NS	0.5	0.42 U
4,6-Dinitro-o-cresol	NS	NS	1.7 U
4-Bromophenyl phenyl ether	NS	NS	0.42 U
4-Chloroaniline	NS	0.22	0.42 U
4-Chlorophenyl phenyl ether	NS	NS	0.42 U
4-Nitroaniline	NS	NS	0.58 U
4-Nitrophenol	NS	0.1	0.83 U
Acenaphthene	500	50	0.42 U
Acenaphthylene	500	41	0.42 U
Acetophenone	NS	NS	1.7 U
Anthracene	500	50	0.42 U
Benzo(a)anthracene	5.6	0.224	0.42 U
Benzo(a)pyrene	1	0.061	0.42 U
Benzo(b)fluoranthene	5.6	1.1	0.42 U
Benzo(ghi)perylene	500	50	0.42 U
Benzo(k)fluoranthene	56	1.1	0.42 U
Benzoic Acid	NS	2.7	4.2 U
Benzyl Alcohol	NS	NS	0.83 U
Biphenyl	NS	NS	0.42 U
Bis(2-chloroethoxy)methane	NS	NS	0.42 U
Bis(2-chloroethyl)ether	NS	NS	0.42 U
Bis(2-chloroisopropyl)ether	NS	NS	0.42 U
Bis(2-Ethylhexyl)phthalate	NS	50	0.83 U
Butyl benzyl phthalate	NS	50	0.42 U
Carbazole	NS	NS	0.42 U
Chrysene	56	0.4	0.42 U
Dibenzo(a,h)anthracene	0.56	0.014	0.42 U
Dibenzofuran	350	6.2	0.42 U
Diethyl phthalate	NS	7.1	0.42 U
Dimethyl phthalate	NS	2	0.42 U
Di-n-butylphthalate	NS	8.1	0.42 U
Di-n-octylphthalate	NS	50	0.42 U
Fluoranthene	500	50	0.42 U
Fluorene	500	50	0.42 U
Hexachlorobenzene	6	0.41	0.42 U
Hexachlorobutadiene	NS	NS	0.83 U
Hexachlorocyclopentadiene	NS	NS	0.83 U
Hexachloroethane	NS	NS	0.42 U
Indeno(1,2,3-cd)Pyrene	5.6	3.2	0.42 U
Isophorone	NS	4.4	0.42 U
Naphthalene	500	13	0.42 U
Nitrobenzene	NS	0.2	0.42 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	1.2 U
n-Nitrosodi-n-propylamine	NS	NS	0.42 U
P-Chloro-M-Cresol	NS	0.24	0.42 U
Pentachlorophenol	6.7	1	1.7 U
Phenanthrene	500	50	0.42 U
Phenol	500	0.03	0.58 U
Pyrene	500	50	0.42 U

Table 1C
1559 and 1560 Boone Avenue
Bronx, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semi Volatile Organic Compounds - SIM

Client ID Dilution Lab Sample ID Date Sampled mg/kg	Part 375 Soil Cleanup Objective Commercial mg/kg	TAGM 4046 RSCO mg/kg	SB-1 (DIRECTLY BELOW SLAB) 1 L0805417-01 4/16/2008	SB-1 (DIRECTLY BELOW SLAB) 1 L0805417-01 4/16/2008 (re-extraction)	SB-2 (6'-8') 1 L0805417-02 4/16/2008	SB-3 (SURFACE SAMPLE) 5 L0805417-03 4/16/2008	SB-4 (DIRECTLY BELOW SLAB) 1 L0805417-04 4/16/2008	SB-5 (4-5) 1 L0805417-05 4/16/2008
2-Chloronaphthalene	NS	NS	0.014 U	0.014 U	0.017 U	0.79 U	NA	0.016 U
2-Methylnaphthalene	NS	36.4	0.014 U	0.014 U	0.017 U	0.79 U	NA	0.016 U
Acenaphthene	500	50	0.014 U	0.014 U	0.017 U	0.79 U	NA	0.016 U
Acenaphthylene	500	41	0.014 U	0.014 U	0.019	0.79 U	NA	0.016 U
Anthracene	500	50	0.014 U	0.014 U	0.02	1.5	NA	0.019
Benzo(a)anthracene	5.6	0.224	0.014 U	0.014 U	0.084	4	NA	0.069
Benzo(a)pyrene	1	0.061	0.014 U	0.014 U	0.12	**4.5**	NA	0.073
Benzo(b)fluoranthene	5.6	1.1	0.014 U	0.014 U	0.093	3.7	NA	0.064
Benzo(k)fluoranthene	56	1.1	0.014 U	0.014 U	0.09	3.4	NA	0.055
Chrysene	56	0.4	0.014 U	0.014 U	0.082	3.5	NA	0.06
Dibenzo(a,h)anthracene	0.56	0.014	0.014 U	0.014 U	0.017 U	0.79 U	NA	0.016 U
Fluoranthene	500	50	0.014 U	0.014 U	0.12	7.9	NA	0.12
Fluorene	500	50	0.014 U	0.014 U	0.017 U	0.79 U	NA	0.016 U
Hexachlorobenzene	6	0.41	0.055 U	0.055 U	0.068 U	3.2 U	NA	0.066 U
Hexachlorobutadiene	NS	NS	0.034 U	0.034 U	0.042 U	2 U	NA	0.041 U
Hexachloroethane	NS	NS	0.055 U	0.055 U	0.068 U	3.2 U	NA	0.066 U
Indeno(1,2,3-cd)Pyrene	5.6	3.2	0.014 U	0.014 U	0.06	1.8	NA	0.033
Naphthalene	500	13	0.014 U	0.014 U	0.017 U	0.79 U	NA	0.016 U
Pentachlorophenol	6.7	1	0.055 U	0.055 U	0.068 U	3.2 U	NA	0.066 U
Phenanthrene	500	50	0.014 U	0.014 U	0.06	4.2	NA	0.062
Pyrene	500	50	0.014 U	0.014 U	0.13	6.2	NA	0.1

Table 1C
1559 and 1560 Boone Avenue
Bronx, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Semi Volatile Organic Compounds - SIM

Client ID Dilution Lab Sample ID Date Sampled mg/kg	Part 375 Soil Cleanup Objective Commercial mg/kg	TAGM 4046 RSCO mg/kg	SB-6 (2-3) FILL 1 L0805417-06 4/16/2008	SB-6 (8-9) 1 L0805417-07 4/16/2008	SB-7 (6-7) 1 L0805417-08 4/16/2008
2-Chloronaphthalene	**NS**	**NS**	0.015 U	0.016 U	0.017 U
2-Methylnaphthalene	**NS**	**36.4**	0.015 U	0.016 U	0.017 U
Acenaphthene	**500**	**50**	0.015 U	0.016 U	0.017 U
Acenaphthylene	**500**	**41**	0.015 U	0.016 U	0.017 U
Anthracene	**500**	**50**	0.015 U	0.016 U	0.017 U
Benzo(a)anthracene	**5.6**	**0.224**	0.015 U	0.016 U	0.017 U
Benzo(a)pyrene	**1**	**0.061**	0.015 U	0.016 U	0.017 U
Benzo(b)fluoranthene	**5.6**	**1.1**	0.015 U	0.016 U	0.017 U
Benzo(k)fluoranthene	**56**	**1.1**	0.015 U	0.016 U	0.017 U
Chrysene	**56**	**0.4**	0.015 U	0.016 U	0.017 U
Dibenzo(a,h)anthracene	**0.56**	**0.014**	0.015 U	0.016 U	0.017 U
Fluoranthene	**500**	**50**	0.015 U	0.016 U	0.017 U
Fluorene	**500**	**50**	0.015 U	0.016 U	0.017 U
Hexachlorobenzene	**6**	**0.41**	0.059 U	0.063 U	0.067 U
Hexachlorobutadiene	**NS**	**NS**	0.037 U	0.04 U	0.042 U
Hexachloroethane	**NS**	**NS**	0.059 U	0.063 U	0.067 U
Indeno(1,2,3-cd)Pyrene	**5.6**	**3.2**	0.015 U	0.016 U	0.017 U
Naphthalene	**500**	**13**	0.015 U	0.016 U	0.017 U
Pentachlorophenol	**6.7**	**1**	0.059 U	0.063 U	0.067 U
Phenanthrene	**500**	**50**	0.015 U	0.016 U	0.017 U
Pyrene	**500**	**50**	0.015 U	0.016 U	0.017 U

Table 1D
1559 and 1560 Boone Avenue
Bronx, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Metals

Client ID Dilution Lab Sample ID Date Sampled mg/kg	Part 375 Soil Cleanup Objective Commercial mg/kg	TAGM 4046 RSCO mg/kg	Eastern USA Standard mg/kg	SB-1 (DIRECTLY BELOW SLAB) 1 L0805417-01 4/16/2008	SB-2 (6'-8') 2 L0805417-02 4/16/2008	SB-3 (SURFACE SAMPLE) 2 L0805417-03 4/16/2008	SB-4 (DIRECTLY BELOW SLAB) 1 L0805417-04 4/16/2008
Aluminum	**NS**	**SB**	**33000**	NA	6400	8400	NA
Antimony	**NS**	**SB**	**NS**	NA	3.2 U	2.8 U	NA
Arsenic	**16**	**7.5 or SB**	**3 – 12**	NA	1.2	4.2	NA
Barium	**400**	**300 or SB**	**15 – 600**	NA	67	84	NA
Beryllium	**590**	**0.16 or SB**	**0 – 1.75**	NA	0.63 U	0.28 U	NA
Cadmium	**9.3**	**1 or SB**	**0.1 – 1**	NA	0.63 U	0.56 U	NA
Calcium	**NS**	**SB**	**130 – 35,000**	NA	14000	21000	NA
Chromium	**400**	**10 or SB**	**1.5 – 40**	NA	13	23	NA
Cobalt	**NS**	**30 or SB**	**2.5 – 60**	NA	5.4	7.7	NA
Copper	**270**	**25 or SB**	**1 – 50**	NA	24	54	NA
Iron	**NS**	**2,000 or SB**	**2,000 – 550,000**	NA	9400	14000	NA
Lead	**1000**	**SB**	**NS**	NA	31	55	NA
Magnesium	**NS**	**SB**	**100 – 5,000**	NA	2900	**8700**	NA
Manganese	**10000**	**SB**	**50 – 5,000**	NA	130	210	NA
Mercury	**2.8**	**0.1**	**0.001 – 0.2**	NA	**2.9**	0.11	NA
Nickel	**310**	**13 or SB**	**0.5 – 25**	NA	10	22	NA
Potassium	**NS**	**SB**	**8,500 – 43,000**	NA	2900	3000	NA
Selenium	**1500**	**2 or SB**	**0.1 – 3.9**	NA	1.3 U	1.1 U	NA
Silver	**1500**	**SB**	**NS**	NA	0.63 U	0.56 U	NA
Sodium	**NS**	**SB**	**6,000 – 8,000**	NA	130 U	420	NA
Thallium	**NS**	**SB**	**NS**	NA	1.3 U	1.1 U	NA
Vanadium	**NS**	**150 or SB**	**1 – 300**	NA	19	33	NA
Zinc	**10000**	**20 or SB**	**9 – 50**	NA	42	88	NA

Table 1D
1559 and 1560 Boone Avenue
Bronx, NY
Subsurface (Phase II) Investigation Soil Analytical Results
Metals

Client ID Dilution Lab Sample ID Date Sampled mg/kg	Part 375 Soil Cleanup Objective Commercial mg/kg	TAGM 4046 RSCO mg/kg	Eastern USA Standard mg/kg	SB-5 (4-5) 5 L0805417-05 4/16/2008	SB-6 (2-3) FILL 1 L0805417-06 4/16/2008	SB-6 (8-9) 1 L0805417-07 4/16/2008	SB-7 (6-7) 1 L0805417-08 4/16/2008
Aluminum	**NS**	**SB**	**33000**	14000	13000	7500	7200
Antimony	**NS**	**SB**	**NS**	3 U	2.7 U	2.7 U	2.9 U
Arsenic	**16**	**7.5 or SB**	**3 – 12**	2.6	1.6	2.3	1.1
Barium	**400**	**300 or SB**	**15 – 600**	49	72	37	28
Beryllium	**590**	**0.16 or SB**	**0 – 1.75**	0.3 U	0.27 U	0.27 U	0.29 U
Cadmium	**9.3**	**1 or SB**	**0.1 – 1**	0.6 U	0.54 U	0.55 U	0.58 U
Calcium	**NS**	**SB**	**130 – 35,000**	1100	880	2100	1600
Chromium	**400**	**10 or SB**	**1.5 – 40**	23	21	27	19
Cobalt	**NS**	**30 or SB**	**2.5 – 60**	9	10	9	9.1
Copper	**270**	**25 or SB**	**1 – 50**	20	24	20	20
Iron	**NS**	**2,000 or SB**	**2,000 – 550,000**	20000	19000	17000	13000
Lead	**1000**	**SB**	**NS**	25	5.8	4.1	3
Magnesium	**NS**	**SB**	**100 – 5,000**	3100	3200	2800	2000
Manganese	**10000**	**SB**	**50 – 5,000**	470	190	170	280
Mercury	**2.8**	**0.1**	**0.001 – 0.2**	0.15	0.09 U	0.09 U	0.09 U
Nickel	**310**	**13 or SB**	**0.5 – 25**	17	15	17	16
Potassium	**NS**	**SB**	**8,500 – 43,000**	1600	2800	1100	930
Selenium	**1500**	**2 or SB**	**0.1 – 3.9**	3 U	1.1 U	1.1 U	1.2 U
Silver	**1500**	**SB**	**NS**	0.6 U	0.54 U	0.55 U	0.58 U
Sodium	**NS**	**SB**	**6,000 – 8,000**	120 U	110 U	110 U	120 U
Thallium	**NS**	**SB**	**NS**	2.4 U	1.1 U	1.1 U	1.2 U
Vanadium	**NS**	**150 or SB**	**1 – 300**	30	30	33	24
Zinc	**10000**	**20 or SB**	**9 – 50**	42	31	29	21

Tables 2A-D
1559 and 1560 Boone Avenue
Bronx, NY

Subsurface (Phase II) Investigation Groundwater and
Sewer Discharge Analytical Results
Notes

GENERAL

NS : No soil cleanup objective listed.

NA : Not Analyzed

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

Exceedences are highlighted in bold font.

GROUNDWATER

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

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

Table 2A
1559 and 1560 Boone Avenue
Bronx, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled µg/L	NYSDEC Class GA Standard µg/L	GW-1 (SB-2) L0805416-01 4/16/2008	GW-2 (EXISTING MW-3) L0805416-02 4/16/2008	GW-3 (SB-7) L0805416-03 4/16/2008	TRIP BLANK L0805416-04 4/10/2008
1,1,1,2-Tetrachloroethane	5	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
1,1,2,2-Tetrachloroethane	5	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
1,1-Dichloroethane	5	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
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	NS	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
1,2,4,5-Tetramethylbenzene	5	0.5 U	**14**	0.5 U	0.5 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	1	2.5 U	**51**	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
1,2-Dibromoethane	0.0006	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	5	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
1,3,5-Trimethylbenzene	1	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
1,3-Dichloropropane	5	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
1,4-Diethylbenzene	NS	0.5 U	3.1	0.5 U	0.5 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U	2.5 U
2-Butanone	50	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U
4-Ethyltoluene	NS	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	NS	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U
Acrylonitrile	5	5 U	5 U	5 U	5 U
Benzene	1	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
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	2.3	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U	2 U
Bromomethane	5	1 U	1 U	1 U	1 U
Carbon disulfide	60	5 U	5 U	5 U	5 U
Carbon tetrachloride	5	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
Chloroethane	5	1 U	1 U	1 U	1 U
Chloroform	7	**18**	0.75 U	0.75 U	0.75 U
Chloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	**6.5**	0.5 U
cis-1,3-Dichloropropene	0.4	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
Dibromomethane	5	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U
Ethylbenzene	5	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
Isopropylbenzene	1	0.5 U	**14**	0.5 U	0.5 U
Methyl tert butyl ether	10	1 U	1 U	1 U	1 U
Methylene chloride	5	5 U	5 U	5 U	5 U
Naphthalene	10	2.5 U	**60**	2.5 U	2.5 U
n-Butylbenzene	1	0.5 U	**3.2**	0.5 U	0.5 U
n-Propylbenzene	1	0.5 U	**14**	0.5 U	0.5 U
o-Chlorotoluene	5	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5	1 U	1 U	1 U	1 U
p/m-Xylene	NS	1 U	1 U	1 U	1 U
p-Chlorotoluene	NS	2.5 U	2.5 U	2.5 U	2.5 U
p-Isopropyltoluene	1	0.5 U	**2.5**	0.5 U	0.5 U
sec-Butylbenzene	1	0.5 U	**6.6**	0.5 U	0.5 U
Styrene	5	1 U	1 U	1 U	1 U
tert-Butylbenzene	1	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5	0.5 U	0.5 U	**26**	0.5 U
Toluene	5	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
trans-1,3-Dichloropropene	0.4	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	**5.5**	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl acetate	NS	5 U	5 U	5 U	5 U
Vinyl chloride	2	1 U	1 U	1 U	1 U

Table 2B
1559 and 1560 Boone Avenue
Bronx, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Semi Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled µg/L	NYSDEC Class GA Standard µg/L	GW-1 (SB-2) L0805416-01 4/16/2008	GW-2 (EXISTING MW-3) L0805416-02 4/16/2008	GW-3 (SB-7) L0805416-03 4/16/2008
1,2,4,5-Tetrachlorobenzene	5	20 U	20 U	20 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U
1,2-Dichlorobenzene	3	5 U	5 U	5 U
1,3-Dichlorobenzene	3	5 U	5 U	5 U
1,4-Dichlorobenzene	3	5 U	5 U	5 U
2,4,5-Trichlorophenol	NS	5 U	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U	5 U
2,4-Dichlorophenol	5	10 U	10 U	10 U
2,4-Dimethylphenol	50	10 U	10 U	10 U
2,4-Dinitrophenol	10	30 U	30 U	30 U
2,4-Dinitrotoluene	5	6 U	6 U	6 U
2,6-Dinitrotoluene	5	5 U	5 U	5 U
2-Chloronaphthalene	10	6 U	6 U	6 U
2-Chlorophenol	NS	6 U	6 U	6 U
2-Methylnaphthalene	NS	5 U	80	5 U
2-Methylphenol	NS	6 U	6 U	6 U
2-Nitroaniline	5	5 U	5 U	5 U
2-Nitrophenol	NS	20 U	20 U	20 U
3,3'-Dichlorobenzidine	5	50 U	50 U	50 U
3-Methylphenol/4-Methylphenol	NS	6 U	6 U	6 U
3-Nitroaniline	5	5 U	5 U	5 U
4,6-Dinitro-o-cresol	NS	20 U	20 U	20 U
4-Bromophenyl phenyl ether	NS	5 U	5 U	5 U
4-Chloroaniline	5	5 U	5 U	5 U
4-Chlorophenyl phenyl ether	NS	5 U	5 U	5 U
4-Nitroaniline	5	7 U	7 U	7 U
4-Nitrophenol	NS	10 U	10 U	10 U
Acenaphthene	20	5 U	5 U	5 U
Acenaphthylene	20	5 U	5 U	5 U
Acetophenone	NS	20 U	20 U	20 U
Anthracene	50	5 U	5 U	5 U
Benzo(a)anthracene	0.002	5 U	5 U	5 U
Benzo(a)pyrene	ND	5 U	5 U	5 U
Benzo(b)fluoranthene	0.002	5 U	5 U	5 U
Benzo(ghi)perylene	10	5 U	5 U	5 U
Benzo(k)fluoranthene	0.002	5 U	5 U	5 U
Benzoic Acid	NS	50 U	50 U	50 U
Benzyl Alcohol	NS	10 U	10 U	10 U
Biphenyl	NS	5 U	5 U	5 U
Bis(2-chloroethoxy)methane	5	5 U	5 U	5 U
Bis(2-chloroethyl)ether	1	5 U	5 U	5 U
Bis(2-chloroisopropyl)ether	NS	5 U	5 U	5 U
Bis(2-Ethylhexyl)phthalate	5	5 U	5 U	5 U
Butyl benzyl phthalate	50	5 U	5 U	5 U
Carbazole	NS	5 U	5 U	5 U
Chrysene	0.002	5 U	5 U	5 U
Dibenzo(a,h)anthracene	NS	5 U	5 U	5 U
Dibenzofuran	NS	5 U	5 U	5 U
Diethyl phthalate	50	5 U	5 U	5 U
Dimethyl phthalate	50	5 U	5 U	5 U
Di-n-butylphthalate	50	5 U	5 U	5 U
Di-n-octylphthalate	50	5 U	5 U	5 U
Fluoranthene	50	5 U	5 U	5 U
Fluorene	8	5 U	5 U	5 U
Hexachlorobenzene	0.04	5 U	5 U	5 U
Hexachlorobutadiene	0.5	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	30 U	30 U	30 U
Hexachloroethane	5	5 U	5 U	5 U
Indeno(1,2,3-cd)Pyrene	0.002	7 U	7 U	7 U
Isophorone	50	5 U	5 U	5 U
Naphthalene	10	5 U	**37**	5 U
Nitrobenzene	0.4	5 U	5 U	5 U
NitrosoDiPhenylAmine(NDPA)/DPA	NS	15 U	15 U	15 U
n-Nitrosodi-n-propylamine	NS	5 U	5 U	5 U
P-Chloro-M-Cresol	NS	5 U	5 U	5 U
Pentachlorophenol	NS	10 U	10 U	10 U
Phenanthrene	50	5 U	5 U	5 U
Phenol	NS	7 U	7 U	7 U
Pyrene	50	5 U	5 U	5 U

Table 2C
1559 and 1560 Boone Avenue
Bronx, NY
Subsurface (Phase II) Investigation Groundwater Analytical Results
Semi Volatile Organic Compounds - SIM

Client ID Lab Sample ID Date Sampled µg/L	NYSDEC Class GA Standard µg/L	GW-1 (SB-2) L0805416-01 4/16/2008	GW-2 (EXISTING MW-3) L0805416-02 4/16/2008	GW-3 (SB-7) L0805416-03 4/16/2008
2-Chloronaphthalene	**10**	0.2 U	0.2 U	0.2 U
2-Methylnaphthalene	**NS**	0.2 U	82	0.2 U
Acenaphthene	**20**	0.2 U	3.9	0.2 U
Acenaphthylene	**20**	0.2 U	0.2 U	0.2 U
Anthracene	**50**	0.2 U	0.27	0.2 U
Benzo(a)anthracene	**0.002**	0.2 U	0.2 U	0.2 U
Benzo(a)pyrene	**NS**	0.22	0.2 U	0.2 U
Benzo(b)fluoranthene	**0.002**	0.2 U	0.2 U	0.2 U
Benzo(ghi)perylene	**10**	0.2 U	0.2 U	0.2 U
Benzo(k)fluoranthene	**0.002**	0.2 U	0.2 U	0.2 U
Chrysene	**0.002**	0.2 U	0.2 U	0.2 U
Dibenzo(a,h)anthracene	**NS**	0.2 U	0.2 U	0.2 U
Fluoranthene	**50**	0.27	0.2 U	0.2 U
Fluorene	**8**	0.2 U	6.7	0.2 U
Hexachlorobenzene	**0.04**	0.8 U	0.8 U	0.8 U
Hexachlorobutadiene	**0.5**	0.5 U	0.5 U	0.5 U
Hexachloroethane	**5**	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
Naphthalene	**10**	0.2 U	**41**	0.2 U
Pentachlorophenol	**NS**	0.8 U	0.8 U	0.8 U
Phenanthrene	**50**	0.2 U	5.1	0.2 U
Pyrene	**50**	0.3	0.29	0.2 U

Table 2D
1559 and 1560 Boone Avenue
Bronx, NY

Subsurface (Phase II) Investigation Groundwater Analytical Results

Client ID	NYSDEC Class GA Standard	*Metals* GW-1 (SB-2)	GW-2 (EXISTING MW-3)	GW-3 (SB-7)
Dilution		100	2	1
Lab Sample ID		L0805416-01	L0805416-02	L0805416-03
Date Sampled		4/16/2008	4/16/2008	4/16/2008
Total Metals - µg/L	µg/L			
Aluminum	NS	64000	1500	49000
Antimony	3	50 U	50 U	50 U
Arsenic	25	19	5 U	10
Barium	1000	951	215	348
Beryllium	3	5 U	5 U	5 U
Cadmium	5	**9**	5 U	5 U
Calcium	NS	170000	88000	280000
Chromium	50	**150**	10 U	**110**
Cobalt	NS	63	20 U	49
Copper	200	**675**	10 U	131
Iron	300	**75000**	**28000**	**59000**
Lead	25	**1340**	11	**32**
Magnesium	35000	32000	6900	**55000**
Manganese	300	**2460**	**1590**	**4340**
Mercury	0.7	**251.1**	0.2 U	0.7
Nickel	100	**111**	25 U	95
Potassium	NS	21000	37000	10000
Selenium	10	10 U	10 U	10 U
Silver	50	7 U	7 U	7 U
Sodium	20000	12000	**200000**	**110000**
Thallium	0.5	20 U	20 U	20 U
Vanadium	NS	210	10 U	98
Zinc	2000	1000	317	161

Dissolved Metals - µg/L

Dilution		1	2	1
Aluminum	NS	460	100 U	100 U
Antimony	3	50 U	50 U	50 U
Arsenic	25	5 U	5 U	5 U
Barium	1000	10 U	147	32
Beryllium	3	5 U	5 U	5 U
Cadmium	5	5 U	5 U	5 U
Calcium	NS	12000	86000	240000
Chromium	50	10 U	10 U	10 U
Cobalt	NS	20 U	20 U	20 U
Copper	200	10 U	10 U	10 U
Iron	300	50 U	**6900**	50 U
Lead	25	10 U	10 U	10 U
Magnesium	35000	960	6600	**40000**
Manganese	300	10 U	**1440**	**1220**
Mercury	0.7	0.4	0.2 U	0.2 U
Nickel	100	25 U	25 U	25 U
Potassium	NS	2500 U	36000	5600
Selenium	10	10 U	10 U	10 U
Silver	50	7 U	7 U	7 U
Sodium	20000	8300	**210000**	**100000**
Thallium	0.5	20 U	20 U	20 U
Vanadium	NS	10 U	10 U	10 U
Zinc	2000	50 U	50 U	50 U

APPENDIX A
SOIL BORING LOGS

AKRF, Inc.

Environmental Consultants

Soil Boring Log

Boring No: SB-1	Job Number: 11068	Client: Signature Urban Properties	Sheet 1 of 1		
	Location: 1560 Boone Avenue	Weather: Sunny, 70 °F	Drilling		
	Drilling Method: Bobcat Geoprobe®	Driller: Zebra (Luke and Quincey)	Start	Finish	
	Sampling Method: 3' Macrocore	Logged By: CO	Date: 4/16/2008	Date: 4/16/2008	
	Depth to Water: NA		Time: 10:12	Time: 10:20	

Surface Conditions: WET SAND

Recovery	Depth	Soil Description	PID	Staining/Odors	Sample ID/Comments
	1	8" CONCRETE	0	No	
14"	2	6" light brown, fine SAND, some gravel, trace Bedrock	0	No	SB-1 (only enough material for a VOC sample)
	3	Refusal at 2' bgs, schist bedrock at EOB			
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				

Comments: According to the building mechanic, this room previously had exposed bedrock that was removed by hand to extend the basement.

AKRF, Inc.
Environmental Consultants

Soil Boring Log

Boring No:	Job Number: 11068	Client: Signature Urban Properties	Sheet 1 of 1	
	Location: 1560 Boone Avenue	Weather: Sunny, 70 °F	Drilling	
SB-2	Drilling Method: Bobcat Geoprobe®	Driller: Zebra (Luke and Quincey)	Start	Finish
	Sampling Method: 3' Macrocore	Logged By: CO	Date: 4/16/2008	Date: 4/16/2008
	Depth to Water: 9'		Time: 10:40	Time: 11:10

Surface Conditions: CONCRETE

Recovery	Depth	Soil Description	PID	Staining/Odors	Sample ID/Comments
	1	8" CONCRETE (two distinguishible layers; light and dark)	0	No	
10"	2	2" BRICK (FILL)	0	No	
	3		0	No	
	4	6" Concrete, Brick, brown Silt (FILL)	0	No	
30"	5	4" medium brown SILT 8" ROCK (Quartz and Schist)	0	No	
	6	12" brown, medium SAND (mica), some rock (mica schist)	0	No	
	7	12" dark brown, medium SAND	0	No	Moist
29"	8	6" weathered ROCK (mica schist) 5" light brown SILT	0	No	Moist
	9		0	No	SB-2/ GW-1 Wet at bottom of boring
	10	20" brown, medium to coarse SAND, some Gravel, trace Clay Pipe (FILL)	0	No	Wet
34"	11	14" brown, fine to medium SAND, trace Gravel	0	No	Wet
	12	EOB at 11' bgs			
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				

Comments: This is the boiler room area that once housed boilers below the basement slab, when the boilers were removed the area was backfilled.

AKRF, Inc.
Environmental Consultants

Soil Boring Log

Boring No:	Job Number: 11068	Client: Signature Urban Properties	Sheet 1 of 1	
	Location: 1560 Boone Avenue	Weather: Sunny, 70 °F	Drilling	
SB-3	Drilling Method: SS Hand Augur	Driller: Zebra (Luke and Quincey)	Start	Finish
	Sampling Method: SS Hand Augur	Logged By: CO	Date: 4/16/2008	Date: 4/16/2008
	Depth to Water: NA		Time: 12:12	Time: 12:16

Surface Conditions: WET SAND

Recovery	Depth	Soil Description	PID	Staining/Odors	Sample ID/Comments
10"	1	brown, coarse to medium SAND, some Gravel	0	No	SB-3; Surface Sample approx. 8" bgs
	2	Refusal at 10" bgs			
	3				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				

Comments: This is the former 10,000 gallon tank room (rock room) and is was inaccessable with the geoprobe, it had an earthen floor with bedrock walls. The soil surface was wet because groundwater was seeping from the bedrock as well as leaking pipes.

AKRF, Inc.

Environmental Consultants

Soil Boring Log

Boring No: SB-4	Job Number: 11068	Client: Signature Urban Properties	Sheet 1 of 1		
	Location: 1560 Boone Avenue	Weather: Sunny, 70 °F	Drilling		
	Drilling Method: Bobcat Geoprobe®	Driller: Zebra (Luke and Quincey)	Start	Finish	
	Sampling Method: 3' Macrocore	Logged By: CO	Date: 4/16/2008	Date: 4/16/2008	
	Depth to Water: NA		Time: 13:45	Time: 13:50	

Surface Conditions: WET SAND

Recovery	Depth	Soil Description	PID	Staining/Odors	Sample ID/Comments
	1	8" CONCRETE	0	No	
12"	2	6" brown, medium SAND, some gravel, trace Bedrock	0	No	SB-4 (only enough material for a VOC sample)
	3	Refusal at 2' bgs, quartz sandstone bedrock at EOB			
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				

Comments: Sample taken from loading dock area at the SW end of 1560 Boone Ave.; exposed bedrock directly SE along West Farms Road.

AKRF, Inc.

Environmental Consultants

Soil Boring Log

Boring No: SB-5	Job Number: 11068	Client: Signature Urban Properties	Sheet 1 of 1		
	Location: 1559 Boone Avenue	Weather: Sunny, 70 °F	Drilling		
	Drilling Method: Bobcat Geoprobe®	Driller: Zebra (Luke and Quincey)	Start	Finish	
	Sampling Method: 3' Macrocore	Logged By: CO	Date: 4/16/2008	Date: 4/16/2008	
	Depth to Water:		Time: 14:00	Time: 14:11	

Surface Conditions: CONCRETE

Recovery	Depth	Soil Description	PID	Staining/Odors	Sample ID/Comments
	1	4" Concrete	0	No	
32"		4" Asphalt, some Brick (FILL)			
	2	24" orange-brown, SILT	0	No	very dense, moist
	3		0	No	very dense, moist
	4	mottled orange-brown and gray-brown SILT, some rounded Gravel	0	No	very dense, moist
24"	5	Refusal at 5' bgs	0	No	SB-5; very dense, moist
	6				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				

Comments: This is the boiler room area that once housed boilers below the basement slab, when the boilers were removed the area was backfilled.

AKRF, Inc.
Environmental Consultants

Soil Boring Log

Boring No:	Job Number: 11068	Client: Signature Urban Properties	Sheet 1 of 1	
	Location: 1559 Boone Avenue	Weather: Sunny, 70 °F	Drilling	
SB-6	Drilling Method: Bobcat Geoprobe®	Driller: Zebra (Luke and Quincey)	Start	Finish
	Sampling Method: 3' Macrocore	Logged By: CO	Date: 4/16/2008	Date: 4/16/2008
	Depth to Water:		Time: 14:15	Time: 14:27

Surface Conditions: CONCRETE

Recovery	Depth	Soil Description	PID	Staining/Odors	Sample ID/Comments
	1	4" Concrete	0	No	
25"		15" FILL (Brick, Concrete, Gravel, coarse Sand)			
	2	6" mottled orange-brown and light gray SILT	0	No	SB-6 (2-3)
	3		0	No	very dense, moist
	4		0	No	very dense, moist
36"		mottled orange-brown and light gray SILT			
	5		0	No	very dense, moist
	6		0	No	very dense, moist
	7	4" dark brown SILT	0	No	very dense, moist
36"		32" mottled orange-brown and light gray SILT			
	8		0	No	very dense, moist
	9	Refusal at 9' bgs	0	No	SB-6 (8-9)
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				

Comments: This is the boiler room area that once housed boilers below the basement slab, when the boilers were removed the area was backfilled.

AKRF, Inc.
Environmental Consultants

Soil Boring Log

Boring No:	Job Number: 11068	Client: Signature Urban Properties	Sheet 1 of 1	
	Location: 1559 Boone Avenue	Weather: Sunny, 70 °F	Drilling	
SB-7	Drilling Method: Bobcat Geoprobe®	Driller: Zebra (Luke and Quincey)	Start	Finish
	Sampling Method: 3' Macrocore	Logged By: CO	Date: 4/16/2008	Date: 4/16/2008
	Depth to Water:		Time: 15:20	Time: 15:40

Surface Conditions: CONCRETE

Recovery	Depth	Soil Description	PID	Staining/Odors	Sample ID/Comments
	1	4" Concrete	0	No	
24"	2	24" orange-brown to brown SILT, some Gravel	0	No	
	3		0	No	
	4	3" ROCK (quartz)	0	No	
26"	5	23" mottled orange-brown and gray-brown SILT, lenses of fine gray Sand	0	No	very dense, moist
	6		0	No	very dense, moist
	7	30" brown fine to medium to coarse SAND	0	No	SB-7 / WS-3
36"	8	6" ROCK (quartz sandstone)	0	No	very dense, moist
	9	Refusal at 8.5' bgs	0	No	
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				

Comments: This is the boiler room area that once housed boilers below the basement slab, when the boilers were removed the area was backfilled.

APPENDIX B

LABORATORY ANALYTICAL DATA SHEETS

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

Address: 34 South Broadway
Suite 314
White Plains, NY 10001

Attn: Mr. Chad Ondrusek

Project Number: 11068

Laboratory Job Number: L0805417

Date Received: 17-APR-2008

Date Reported: 22-APR-2008

Delivery Method: Alpha

Site: BOONE AVE (1550+1560)

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0805417-01	SB-1 (DIRECTLY BELOW SLAB)	BRONX, NY
L0805417-02	SB-2 (6'-8')	BRONX, NY
L0805417-03	SB-3 (SURFACO SAMPLE)	BRONX, NY
L0805417-04	SB-4 (DIRECTLY BELOW SLAB)	BRONX, NY
L0805417-05	SB-5 (4-5)	BRONX, NY
L0805417-06	SB-6 (2-3) FILL	BRONX, NY
L0805417-07	SB-6 (8-9)	BRONX, NY
L0805417-08	SB-7 (6-7)	BRONX, NY

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: _____
Technical Representative

ALPHA ANALYTICAL
NARRATIVE REPORT

Laboratory Job Number: L0805417

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

L0805417-02 has an elevated detection limit for Mercury due to the 2x dilution required to quantitate the result within the calibration curve.

The following samples have elevated detection limits for Aluminum due to the dilutions required to quantitate the results within the calibration range:

L0805417-02, -07, -08: 2x

L0805417-05, -06: 5x

L0805417-02 has an elevated detection limit for Beryllium due to the 2x dilution required by matrix interferences encountered during analysis.

L0805417-03 has elevated detection limits for Aluminum and Calcium due to the 2x dilution required to quantitate the results within the calibration range.

L0805417-05 has an elevated detection limit for Thallium due to the 2x dilution required by matrix interferences encountered during analysis.

The WG318633-2 MS recoveries for Aluminum, Iron, Magnesium, and Manganese are invalid because the sample concentration is greater than four times the spike amount added. The MS recoveries for Antimony, Beryllium, Lead, and Thallium are outside method acceptance criteria. Post digestion spikes were performed with acceptable recoveries of 89% for Antimony, 75% for Beryllium, 97% for Lead, and 79% for Thallium.

Volatile Organics

The surrogate recovery for L0805417-01 was below the acceptance for Dibromofluoromethane due to the basic nature of this sample. Re-analysis was not performed.

Semivolatile Organics

The surrogate recovery for L0805417-01 was below the acceptance criteria for 2,4,6-Tribromophenol; however, re-extraction achieved similar results. The results of both extractions are reported.

L0805417-03 has elevated detection limits due to the 5x dilution required by matrix interferences encountered during the concentration of the sample.

Semivolatile Organics-SIM

The surrogate recovery for L0805417-01 was below the acceptance criteria for 2,4,6-Tribromophenol; however, re-extraction achieved similar results. The results of both extractions are reported.

L0805417-03 has elevated detection limits due to the 5x dilution required by the matrix interferences encountered during the concentration of the sample and the 10x dilution required by the sample matrix.

The surrogate recoveries for L0805417-03 are below the acceptance criteria for 2-Fluorophenol, Phenol-d6, Nitrobenzene-d5, 2-Fluorobiphenyl, 2,4,6-Tribromophenol, and 4-Terphenyl-d14, due to the dilutions required to quantitate the sample. Re-extraction is not required; therefore, 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: L0805417-01
SB-1 (DIRECTLY BELOW SLAB)
Sample Matrix: SOIL

Date Collected: 16-APR-2008 10:20
Date Received : 17-APR-2008
Date Reported : 22-APR-2008

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	97	%	0.10	30 2540G		0419 17:50	NM
Volatile Organics by EPA 8260B				1 8260B		0418 18:38	PD
Methylene chloride	ND	ug/kg	26.				
1,1-Dichloroethane	ND	ug/kg	3.9				
Chloroform	ND	ug/kg	3.9				
Carbon tetrachloride	ND	ug/kg	2.6				
1,2-Dichloropropane	ND	ug/kg	9.0				
Dibromochloromethane	ND	ug/kg	2.6				
1,1,2-Trichloroethane	ND	ug/kg	3.9				
Tetrachloroethene	ND	ug/kg	2.6				
Chlorobenzene	ND	ug/kg	2.6				
Trichlorofluoromethane	ND	ug/kg	13.				
1,2-Dichloroethane	ND	ug/kg	2.6				
1,1,1-Trichloroethane	ND	ug/kg	2.6				
Bromodichloromethane	ND	ug/kg	2.6				
trans-1,3-Dichloropropene	ND	ug/kg	2.6				
cis-1,3-Dichloropropene	ND	ug/kg	2.6				
1,1-Dichloropropene	ND	ug/kg	13.				
Bromoform	ND	ug/kg	10.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.6				
Benzene	ND	ug/kg	2.6				
Toluene	ND	ug/kg	3.9				
Ethylbenzene	ND	ug/kg	2.6				
Chloromethane	ND	ug/kg	13.				
Bromomethane	ND	ug/kg	5.2				
Vinyl chloride	ND	ug/kg	5.2				
Chloroethane	ND	ug/kg	5.2				
1,1-Dichloroethene	ND	ug/kg	2.6				
trans-1,2-Dichloroethene	ND	ug/kg	3.9				
Trichloroethene	ND	ug/kg	2.6				
1,2-Dichlorobenzene	ND	ug/kg	13.				
1,3-Dichlorobenzene	ND	ug/kg	13.				
1,4-Dichlorobenzene	ND	ug/kg	13.				
Methyl tert butyl ether	ND	ug/kg	5.2				
p/m-Xylene	ND	ug/kg	5.2				
o-Xylene	ND	ug/kg	5.2				
cis-1,2-Dichloroethene	ND	ug/kg	2.6				
Dibromomethane	ND	ug/kg	26.				

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-01
SB-1 (DIRECTLY BELOW SLAB)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0418 18:38	PD
Styrene	ND	ug/kg	5.2				
Dichlorodifluoromethane	ND	ug/kg	26.				
Acetone	ND	ug/kg	26.				
Carbon disulfide	ND	ug/kg	26.				
2-Butanone	ND	ug/kg	26.				
Vinyl acetate	ND	ug/kg	26.				
4-Methyl-2-pentanone	ND	ug/kg	26.				
1,2,3-Trichloropropane	ND	ug/kg	26.				
2-Hexanone	ND	ug/kg	26.				
Bromochloromethane	ND	ug/kg	13.				
2,2-Dichloropropane	ND	ug/kg	13.				
1,2-Dibromoethane	ND	ug/kg	10.				
1,3-Dichloropropane	ND	ug/kg	13.				
1,1,1,2-Tetrachloroethane	ND	ug/kg	2.6				
Bromobenzene	ND	ug/kg	13.				
n-Butylbenzene	ND	ug/kg	2.6				
sec-Butylbenzene	ND	ug/kg	2.6				
tert-Butylbenzene	ND	ug/kg	13.				
o-Chlorotoluene	ND	ug/kg	13.				
p-Chlorotoluene	ND	ug/kg	13.				
1,2-Dibromo-3-chloropropane	ND	ug/kg	13.				
Hexachlorobutadiene	ND	ug/kg	13.				
Isopropylbenzene	ND	ug/kg	2.6				
p-Isopropyltoluene	ND	ug/kg	2.6				
Naphthalene	ND	ug/kg	13.				
Acrylonitrile	ND	ug/kg	26.				
n-Propylbenzene	ND	ug/kg	2.6				
1,2,3-Trichlorobenzene	ND	ug/kg	13.				
1,2,4-Trichlorobenzene	ND	ug/kg	13.				
1,3,5-Trimethylbenzene	ND	ug/kg	13.				
1,2,4-Trimethylbenzene	ND	ug/kg	13.				
1,4-Diethylbenzene	ND	ug/kg	2.6				
4-Ethyltoluene	ND	ug/kg	2.6				
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.6				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	88.0	%	70-130				
Toluene-d8	90.0	%	70-130				
4-Bromofluorobenzene	90.0	%	70-130				
Dibromofluoromethane	22.0	%	70-130				
Semivolatile Organics by EPA 8270C				1 8270C	0418 02:40	0418 13:08	PS
Acenaphthene	ND	ug/kg	340				
1,2,4-Trichlorobenzene	ND	ug/kg	340				
Hexachlorobenzene	ND	ug/kg	340				
Bis(2-chloroethyl)ether	ND	ug/kg	340				
2-Chloronaphthalene	ND	ug/kg	410				
1,2-Dichlorobenzene	ND	ug/kg	340				
1,3-Dichlorobenzene	ND	ug/kg	340				

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-01
SB-1 (DIRECTLY BELOW SLAB)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0418 02:40	0418 13:08	PS
1,4-Dichlorobenzene	ND	ug/kg	340					
3,3'-Dichlorobenzidine	ND	ug/kg	690					
2,4-Dinitrotoluene	ND	ug/kg	340					
2,6-Dinitrotoluene	ND	ug/kg	340					
Fluoranthene	ND	ug/kg	340					
4-Chlorophenyl phenyl ether	ND	ug/kg	340					
4-Bromophenyl phenyl ether	ND	ug/kg	340					
Bis(2-chloroisopropyl)ether	ND	ug/kg	340					
Bis(2-chloroethoxy)methane	ND	ug/kg	340					
Hexachlorobutadiene	ND	ug/kg	690					
Hexachlorocyclopentadiene	ND	ug/kg	690					
Hexachloroethane	ND	ug/kg	340					
Isophorone	ND	ug/kg	340					
Naphthalene	ND	ug/kg	340					
Nitrobenzene	ND	ug/kg	340					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1000					
n-Nitrosodi-n-propylamine	ND	ug/kg	340					
Bis(2-Ethylhexyl)phthalate	1900	ug/kg	690					
Butyl benzyl phthalate	ND	ug/kg	340					
Di-n-butylphthalate	ND	ug/kg	340					
Di-n-octylphthalate	ND	ug/kg	340					
Diethyl phthalate	ND	ug/kg	340					
Dimethyl phthalate	ND	ug/kg	340					
Benzo(a)anthracene	ND	ug/kg	340					
Benzo(a)pyrene	ND	ug/kg	340					
Benzo(b)fluoranthene	ND	ug/kg	340					
Benzo(k)fluoranthene	ND	ug/kg	340					
Chrysene	ND	ug/kg	340					
Acenaphthylene	ND	ug/kg	340					
Anthracene	ND	ug/kg	340					
Benzo(ghi)perylene	ND	ug/kg	340					
Fluorene	ND	ug/kg	340					
Phenanthrene	ND	ug/kg	340					
Dibenzo(a,h)anthracene	ND	ug/kg	340					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	340					
Pyrene	ND	ug/kg	340					
Biphenyl	ND	ug/kg	340					
4-Chloroaniline	ND	ug/kg	340					
2-Nitroaniline	ND	ug/kg	340					
3-Nitroaniline	ND	ug/kg	340					
4-Nitroaniline	ND	ug/kg	480					
Dibenzofuran	ND	ug/kg	340					
2-Methylnaphthalene	ND	ug/kg	340					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1400					
Acetophenone	ND	ug/kg	1400					
2,4,6-Trichlorophenol	ND	ug/kg	340					
P-Chloro-M-Cresol	ND	ug/kg	340					
2-Chlorophenol	ND	ug/kg	410					
2,4-Dichlorophenol	ND	ug/kg	690					

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-01
SB-1 (DIRECTLY BELOW SLAB)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0418 02:40	0418 13:08	PS
2,4-Dimethylphenol	ND	ug/kg	340					
2-Nitrophenol	ND	ug/kg	1400					
4-Nitrophenol	ND	ug/kg	690					
2,4-Dinitrophenol	ND	ug/kg	1400					
4,6-Dinitro-o-cresol	ND	ug/kg	1400					
Pentachlorophenol	ND	ug/kg	1400					
Phenol	ND	ug/kg	480					
2-Methylphenol	ND	ug/kg	410					
3-Methylphenol/4-Methylphenol	ND	ug/kg	410					
2,4,5-Trichlorophenol	ND	ug/kg	340					
Benzoic Acid	ND	ug/kg	3400					
Benzyl Alcohol	ND	ug/kg	690					
Carbazole	ND	ug/kg	340					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	52.0	%	25-120					
Phenol-d6	82.0	%	10-120					
Nitrobenzene-d5	81.0	%	23-120					
2-Fluorobiphenyl	75.0	%	30-120					
2,4,6-Tribromophenol	10.0	%	19-120					
4-Terphenyl-d14	80.0	%	18-120					
Semivolatile Organics by EPA 8270C				1	8270C	0422 08:30	0422 14:04	PS
Acenaphthene	ND	ug/kg	340					
1,2,4-Trichlorobenzene	ND	ug/kg	340					
Hexachlorobenzene	ND	ug/kg	340					
Bis(2-chloroethyl)ether	ND	ug/kg	340					
2-Chloronaphthalene	ND	ug/kg	410					
1,2-Dichlorobenzene	ND	ug/kg	340					
1,3-Dichlorobenzene	ND	ug/kg	340					
1,4-Dichlorobenzene	ND	ug/kg	340					
3,3'-Dichlorobenzidine	ND	ug/kg	690					
2,4-Dinitrotoluene	ND	ug/kg	340					
2,6-Dinitrotoluene	ND	ug/kg	340					
Fluoranthene	ND	ug/kg	340					
4-Chlorophenyl phenyl ether	ND	ug/kg	340					
4-Bromophenyl phenyl ether	ND	ug/kg	340					
Bis(2-chloroisopropyl)ether	ND	ug/kg	340					
Bis(2-chloroethoxy)methane	ND	ug/kg	340					
Hexachlorobutadiene	ND	ug/kg	690					
Hexachlorocyclopentadiene	ND	ug/kg	690					
Hexachloroethane	ND	ug/kg	340					
Isophorone	ND	ug/kg	340					
Naphthalene	ND	ug/kg	340					
Nitrobenzene	ND	ug/kg	340					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1000					
n-Nitrosodi-n-propylamine	ND	ug/kg	340					
Bis(2-Ethylhexyl)phthalate	1200	ug/kg	690					
Butyl benzyl phthalate	ND	ug/kg	340					

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-01
SB-1 (DIRECTLY BELOW SLAB)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0422 08:30	0422 14:04	PS
Di-n-butylphthalate	ND	ug/kg	340					
Di-n-octylphthalate	ND	ug/kg	340					
Diethyl phthalate	ND	ug/kg	340					
Dimethyl phthalate	ND	ug/kg	340					
Benzo(a)anthracene	ND	ug/kg	340					
Benzo(a)pyrene	ND	ug/kg	340					
Benzo(b)fluoranthene	ND	ug/kg	340					
Benzo(k)fluoranthene	ND	ug/kg	340					
Chrysene	ND	ug/kg	340					
Acenaphthylene	ND	ug/kg	340					
Anthracene	ND	ug/kg	340					
Benzo(ghi)perylene	ND	ug/kg	340					
Fluorene	ND	ug/kg	340					
Phenanthrene	ND	ug/kg	340					
Dibenzo(a,h)anthracene	ND	ug/kg	340					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	340					
Pyrene	ND	ug/kg	340					
Biphenyl	ND	ug/kg	340					
4-Chloroaniline	ND	ug/kg	340					
2-Nitroaniline	ND	ug/kg	340					
3-Nitroaniline	ND	ug/kg	340					
4-Nitroaniline	ND	ug/kg	480					
Dibenzofuran	ND	ug/kg	340					
2-Methylnaphthalene	ND	ug/kg	340					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1400					
Acetophenone	ND	ug/kg	1400					
2,4,6-Trichlorophenol	ND	ug/kg	340					
P-Chloro-M-Cresol	ND	ug/kg	340					
2-Chlorophenol	ND	ug/kg	410					
2,4-Dichlorophenol	ND	ug/kg	690					
2,4-Dimethylphenol	ND	ug/kg	340					
2-Nitrophenol	ND	ug/kg	1400					
4-Nitrophenol	ND	ug/kg	690					
2,4-Dinitrophenol	ND	ug/kg	1400					
4,6-Dinitro-o-cresol	ND	ug/kg	1400					
Pentachlorophenol	ND	ug/kg	1400					
Phenol	ND	ug/kg	480					
2-Methylphenol	ND	ug/kg	410					
3-Methylphenol/4-Methylphenol	ND	ug/kg	410					
2,4,5-Trichlorophenol	ND	ug/kg	340					
Benzoic Acid	ND	ug/kg	3400					
Benzyl Alcohol	ND	ug/kg	690					
Carbazole	ND	ug/kg	340					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	43.0	%	25-120					
Phenol-d6	63.0	%	10-120					
Nitrobenzene-d5	62.0	%	23-120					
2-Fluorobiphenyl	62.0	%	30-120					

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-01
SB-1 (DIRECTLY BELOW SLAB)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0422 08:30	0422 14:04	PS
2,4,6-Tribromophenol	14.0	%	19-120					
4-Terphenyl-d14	58.0	%	18-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0418 02:40	0422 03:26	RL
Acenaphthene	ND	ug/kg	14.					
2-Chloronaphthalene	ND	ug/kg	14.					
Fluoranthene	ND	ug/kg	14.					
Hexachlorobutadiene	ND	ug/kg	34.					
Naphthalene	ND	ug/kg	14.					
Benzo(a)anthracene	ND	ug/kg	14.					
Benzo(a)pyrene	ND	ug/kg	14.					
Benzo(b)fluoranthene	ND	ug/kg	14.					
Benzo(k)fluoranthene	ND	ug/kg	14.					
Chrysene	ND	ug/kg	14.					
Acenaphthylene	ND	ug/kg	14.					
Anthracene	ND	ug/kg	14.					
Benzo(ghi)perylene	ND	ug/kg	14.					
Fluorene	ND	ug/kg	14.					
Phenanthrene	ND	ug/kg	14.					
Dibenzo(a,h)anthracene	ND	ug/kg	14.					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	14.					
Pyrene	ND	ug/kg	14.					
2-Methylnaphthalene	ND	ug/kg	14.					
Pentachlorophenol	ND	ug/kg	55.					
Hexachlorobenzene	ND	ug/kg	55.					
Hexachloroethane	ND	ug/kg	55.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	56.0	%	25-120					
Phenol-d6	65.0	%	10-120					
Nitrobenzene-d5	68.0	%	23-120					
2-Fluorobiphenyl	56.0	%	30-120					
2,4,6-Tribromophenol	12.0	%	19-120					
4-Terphenyl-d14	55.0	%	18-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0422 08:30	0422 13:14	RL
Acenaphthene	ND	ug/kg	14.					
2-Chloronaphthalene	ND	ug/kg	14.					
Fluoranthene	ND	ug/kg	14.					
Hexachlorobutadiene	ND	ug/kg	34.					
Naphthalene	ND	ug/kg	14.					
Benzo(a)anthracene	ND	ug/kg	14.					
Benzo(a)pyrene	ND	ug/kg	14.					
Benzo(b)fluoranthene	ND	ug/kg	14.					
Benzo(k)fluoranthene	ND	ug/kg	14.					
Chrysene	ND	ug/kg	14.					
Acenaphthylene	ND	ug/kg	14.					
Anthracene	ND	ug/kg	14.					
Benzo(ghi)perylene	ND	ug/kg	14.					

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

Laboratory Sample Number: L0805417-01
SB-1 (DIRECTLY BELOW SLAB)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0422 08:30	0422 13:14	RL
Fluorene	ND	ug/kg	14.					
Phenanthrene	ND	ug/kg	14.					
Dibenzo(a,h)anthracene	ND	ug/kg	14.					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	14.					
Pyrene	ND	ug/kg	14.					
2-Methylnaphthalene	ND	ug/kg	14.					
Pentachlorophenol	ND	ug/kg	55.					
Hexachlorobenzene	ND	ug/kg	55.					
Hexachloroethane	ND	ug/kg	55.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	46.0	%	25-120					
Phenol-d6	57.0	%	10-120					
Nitrobenzene-d5	53.0	%	23-120					
2-Fluorobiphenyl	44.0	%	30-120					
2,4,6-Tribromophenol	17.0	%	19-120					
4-Terphenyl-d14	42.0	%	18-120					

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: L0805417-02
SB-2 (6'-8')
Sample Matrix: SOIL

Date Collected: 16-APR-2008 11:08
Date Received : 17-APR-2008
Date Reported : 22-APR-2008

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	79	%	0.10	30	2540G		0419 17:50	NM
Total Metals								
Aluminum, Total	6400	mg/kg	13	1	6010B	0418 12:30	0421 15:23	AI
Antimony, Total	ND	mg/kg	3.2	1	6010B	0418 12:30	0421 14:11	AI
Arsenic, Total	1.2	mg/kg	0.63	1	6010B	0418 12:30	0421 14:11	AI
Barium, Total	67	mg/kg	0.63	1	6010B	0418 12:30	0421 14:11	AI
Beryllium, Total	ND	mg/kg	0.63	1	6010B	0418 12:30	0421 15:23	AI
Cadmium, Total	ND	mg/kg	0.63	1	6010B	0418 12:30	0421 14:11	AI
Calcium, Total	14000	mg/kg	6.3	1	6010B	0418 12:30	0421 14:11	AI
Chromium, Total	13	mg/kg	0.63	1	6010B	0418 12:30	0421 14:11	AI
Cobalt, Total	5.4	mg/kg	1.3	1	6010B	0418 12:30	0421 14:11	AI
Copper, Total	24	mg/kg	0.63	1	6010B	0418 12:30	0421 14:11	AI
Iron, Total	9400	mg/kg	3.2	1	6010B	0418 12:30	0421 14:11	AI
Lead, Total	31	mg/kg	3.2	1	6010B	0418 12:30	0421 14:11	AI
Magnesium, Total	2900	mg/kg	6.3	1	6010B	0418 12:30	0421 14:11	AI
Manganese, Total	130	mg/kg	0.63	1	6010B	0418 12:30	0421 14:11	AI
Mercury, Total	2.9	mg/kg	0.19	1	7471A	0419 17:00	0421 12:50	RC
Nickel, Total	10	mg/kg	1.6	1	6010B	0418 12:30	0421 14:11	AI
Potassium, Total	2900	mg/kg	160	1	6010B	0418 12:30	0421 14:11	AI
Selenium, Total	ND	mg/kg	1.3	1	6010B	0418 12:30	0421 14:11	AI
Silver, Total	ND	mg/kg	0.63	1	6010B	0418 12:30	0421 14:11	AI
Sodium, Total	ND	mg/kg	130	1	6010B	0418 12:30	0421 14:11	AI
Thallium, Total	ND	mg/kg	1.3	1	6010B	0418 12:30	0421 14:11	AI
Vanadium, Total	19	mg/kg	0.63	1	6010B	0418 12:30	0421 14:11	AI
Zinc, Total	42	mg/kg	3.2	1	6010B	0418 12:30	0421 14:11	AI
Volatile Organics by EPA 8260B				1	8260B		0418 19:16	PD
Methylene chloride	ND	ug/kg	32.					
1,1-Dichloroethane	ND	ug/kg	4.7					
Chloroform	28	ug/kg	4.7					
Carbon tetrachloride	ND	ug/kg	3.2					
1,2-Dichloropropane	ND	ug/kg	11.					
Dibromochloromethane	ND	ug/kg	3.2					
1,1,2-Trichloroethane	ND	ug/kg	4.7					
Tetrachloroethene	ND	ug/kg	3.2					
Chlorobenzene	ND	ug/kg	3.2					
Trichlorofluoromethane	ND	ug/kg	16.					

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

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Laboratory Sample Number: L0805417-02
SB-2 (6'-8')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 19:16	PD
1,2-Dichloroethane	ND	ug/kg	3.2					
1,1,1-Trichloroethane	ND	ug/kg	3.2					
Bromodichloromethane	ND	ug/kg	3.2					
trans-1,3-Dichloropropene	ND	ug/kg	3.2					
cis-1,3-Dichloropropene	ND	ug/kg	3.2					
1,1-Dichloropropene	ND	ug/kg	16.					
Bromoform	ND	ug/kg	13.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.2					
Benzene	ND	ug/kg	3.2					
Toluene	ND	ug/kg	4.7					
Ethylbenzene	ND	ug/kg	3.2					
Chloromethane	ND	ug/kg	16.					
Bromomethane	ND	ug/kg	6.3					
Vinyl chloride	ND	ug/kg	6.3					
Chloroethane	ND	ug/kg	6.3					
1,1-Dichloroethene	ND	ug/kg	3.2					
trans-1,2-Dichloroethene	ND	ug/kg	4.7					
Trichloroethene	ND	ug/kg	3.2					
1,2-Dichlorobenzene	ND	ug/kg	16.					
1,3-Dichlorobenzene	ND	ug/kg	16.					
1,4-Dichlorobenzene	ND	ug/kg	16.					
Methyl tert butyl ether	ND	ug/kg	6.3					
p/m-Xylene	ND	ug/kg	6.3					
o-Xylene	ND	ug/kg	6.3					
cis-1,2-Dichloroethene	ND	ug/kg	3.2					
Dibromomethane	ND	ug/kg	32.					
Styrene	ND	ug/kg	6.3					
Dichlorodifluoromethane	ND	ug/kg	32.					
Acetone	ND	ug/kg	32.					
Carbon disulfide	ND	ug/kg	32.					
2-Butanone	ND	ug/kg	32.					
Vinyl acetate	ND	ug/kg	32.					
4-Methyl-2-pentanone	ND	ug/kg	32.					
1,2,3-Trichloropropane	ND	ug/kg	32.					
2-Hexanone	ND	ug/kg	32.					
Bromochloromethane	ND	ug/kg	16.					
2,2-Dichloropropane	ND	ug/kg	16.					
1,2-Dibromoethane	ND	ug/kg	13.					
1,3-Dichloropropane	ND	ug/kg	16.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.2					
Bromobenzene	ND	ug/kg	16.					
n-Butylbenzene	ND	ug/kg	3.2					
sec-Butylbenzene	ND	ug/kg	3.2					
tert-Butylbenzene	ND	ug/kg	16.					
o-Chlorotoluene	ND	ug/kg	16.					
p-Chlorotoluene	ND	ug/kg	16.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	16.					
Hexachlorobutadiene	ND	ug/kg	16.					
Isopropylbenzene	ND	ug/kg	3.2					

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-02
SB-2 (6'-8')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 19:16	PD
p-Isopropyltoluene	ND	ug/kg	3.2					
Naphthalene	ND	ug/kg	16.					
Acrylonitrile	ND	ug/kg	32.					
n-Propylbenzene	ND	ug/kg	3.2					
1,2,3-Trichlorobenzene	ND	ug/kg	16.					
1,2,4-Trichlorobenzene	ND	ug/kg	16.					
1,3,5-Trimethylbenzene	ND	ug/kg	16.					
1,2,4-Trimethylbenzene	ND	ug/kg	16.					
1,4-Diethylbenzene	ND	ug/kg	3.2					
4-Ethyltoluene	ND	ug/kg	3.2					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	3.2					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	91.0	%	70-130					
Toluene-d8	97.0	%	70-130					
4-Bromofluorobenzene	103	%	70-130					
Dibromofluoromethane	95.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0418 02:40	0418 13:30	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	510					
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	840					
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	840					
Hexachlorocyclopentadiene	ND	ug/kg	840					
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	1300					
n-Nitrosodi-n-propylamine	ND	ug/kg	420					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	840					
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					

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

ALPHA ANALYTICAL
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Laboratory Sample Number: L0805417-02
SB-2 (6'-8')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0418 02:40	0418 13:30	PS
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	590					
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	510					
2,4-Dichlorophenol	ND	ug/kg	840					
2,4-Dimethylphenol	ND	ug/kg	420					
2-Nitrophenol	ND	ug/kg	1700					
4-Nitrophenol	ND	ug/kg	840					
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	590					
2-Methylphenol	ND	ug/kg	510					
3-Methylphenol/4-Methylphenol	ND	ug/kg	510					
2,4,5-Trichlorophenol	ND	ug/kg	420					
Benzoic Acid	ND	ug/kg	4200					
Benzyl Alcohol	ND	ug/kg	840					
Carbazole	ND	ug/kg	420					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	45.0	%	25-120					
Phenol-d6	59.0	%	10-120					
Nitrobenzene-d5	55.0	%	23-120					
2-Fluorobiphenyl	55.0	%	30-120					
2,4,6-Tribromophenol	67.0	%	19-120					
4-Terphenyl-d14	62.0	%	18-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0418 02:40	0422 04:11	RL

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-02
SB-2 (6'-8')

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0418 02:40	0422 04:11	RL
Acenaphthene	ND	ug/kg	17.					
2-Chloronaphthalene	ND	ug/kg	17.					
Fluoranthene	120	ug/kg	17					
Hexachlorobutadiene	ND	ug/kg	42.					
Naphthalene	ND	ug/kg	17.					
Benzo(a)anthracene	84	ug/kg	17					
Benzo(a)pyrene	120	ug/kg	17					
Benzo(b)fluoranthene	93	ug/kg	17					
Benzo(k)fluoranthene	90	ug/kg	17					
Chrysene	82	ug/kg	17					
Acenaphthylene	19	ug/kg	17					
Anthracene	20	ug/kg	17					
Benzo(ghi)perylene	75	ug/kg	17					
Fluorene	ND	ug/kg	17.					
Phenanthrene	60	ug/kg	17					
Dibenzo(a,h)anthracene	ND	ug/kg	17.					
Indeno(1,2,3-cd)Pyrene	60	ug/kg	17					
Pyrene	130	ug/kg	17					
2-Methylnaphthalene	ND	ug/kg	17.					
Pentachlorophenol	ND	ug/kg	68.					
Hexachlorobenzene	ND	ug/kg	68.					
Hexachloroethane	ND	ug/kg	68.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	78.0	%	25-120					
Phenol-d6	82.0	%	10-120					
Nitrobenzene-d5	76.0	%	23-120					
2-Fluorobiphenyl	62.0	%	30-120					
2,4,6-Tribromophenol	89.0	%	19-120					
4-Terphenyl-d14	70.0	%	18-120					

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: L0805417-03
SB-3 (SURFACO SAMPLE)
Sample Matrix: SOIL

Date Collected: 16-APR-2008 12:12
Date Received : 17-APR-2008
Date Reported : 22-APR-2008

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		0419 17:50	NM
Total Metals								
Aluminum, Total	8400	mg/kg	11	1	6010B	0418 12:30	0421 15:27	AI
Antimony, Total	ND	mg/kg	2.8	1	6010B	0418 12:30	0421 14:14	AI
Arsenic, Total	4.2	mg/kg	0.56	1	6010B	0418 12:30	0421 14:14	AI
Barium, Total	84	mg/kg	0.56	1	6010B	0418 12:30	0421 14:14	AI
Beryllium, Total	ND	mg/kg	0.28	1	6010B	0418 12:30	0421 14:14	AI
Cadmium, Total	ND	mg/kg	0.56	1	6010B	0418 12:30	0421 14:14	AI
Calcium, Total	21000	mg/kg	11	1	6010B	0418 12:30	0421 15:27	AI
Chromium, Total	23	mg/kg	0.56	1	6010B	0418 12:30	0421 14:14	AI
Cobalt, Total	7.7	mg/kg	1.1	1	6010B	0418 12:30	0421 14:14	AI
Copper, Total	54	mg/kg	0.56	1	6010B	0418 12:30	0421 14:14	AI
Iron, Total	14000	mg/kg	2.8	1	6010B	0418 12:30	0421 14:14	AI
Lead, Total	55	mg/kg	2.8	1	6010B	0418 12:30	0421 14:14	AI
Magnesium, Total	8700	mg/kg	5.6	1	6010B	0418 12:30	0421 14:14	AI
Manganese, Total	210	mg/kg	0.56	1	6010B	0418 12:30	0421 14:14	AI
Mercury, Total	0.11	mg/kg	0.09	1	7471A	0419 17:00	0421 12:15	RC
Nickel, Total	22	mg/kg	1.4	1	6010B	0418 12:30	0421 14:14	AI
Potassium, Total	3000	mg/kg	140	1	6010B	0418 12:30	0421 14:14	AI
Selenium, Total	ND	mg/kg	1.1	1	6010B	0418 12:30	0421 14:14	AI
Silver, Total	ND	mg/kg	0.56	1	6010B	0418 12:30	0421 14:14	AI
Sodium, Total	420	mg/kg	110	1	6010B	0418 12:30	0421 14:14	AI
Thallium, Total	ND	mg/kg	1.1	1	6010B	0418 12:30	0421 14:14	AI
Vanadium, Total	33	mg/kg	0.56	1	6010B	0418 12:30	0421 14:14	AI
Zinc, Total	88	mg/kg	2.8	1	6010B	0418 12:30	0421 14:14	AI
Volatile Organics by EPA 8260B				1	8260B		0418 19:55	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: L0805417-03
SB-3 (SURFACO SAMPLE)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 19:55	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: L0805417-03
SB-3 (SURFACO SAMPLE)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 19:55	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	3.0					
4-Ethyltoluene	ND	ug/kg	3.0					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	3.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	98.0	%	70-130					
Toluene-d8	98.0	%	70-130					
4-Bromofluorobenzene	103	%	70-130					
Dibromofluoromethane	92.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0418 02:40	0418 13:53	PS
Acenaphthene	ND	ug/kg	2000					
1,2,4-Trichlorobenzene	ND	ug/kg	2000					
Hexachlorobenzene	ND	ug/kg	2000					
Bis(2-chloroethyl)ether	ND	ug/kg	2000					
2-Chloronaphthalene	ND	ug/kg	2400					
1,2-Dichlorobenzene	ND	ug/kg	2000					
1,3-Dichlorobenzene	ND	ug/kg	2000					
1,4-Dichlorobenzene	ND	ug/kg	2000					
3,3'-Dichlorobenzidine	ND	ug/kg	4000					
2,4-Dinitrotoluene	ND	ug/kg	2000					
2,6-Dinitrotoluene	ND	ug/kg	2000					
Fluoranthene	5000	ug/kg	2000					
4-Chlorophenyl phenyl ether	ND	ug/kg	2000					
4-Bromophenyl phenyl ether	ND	ug/kg	2000					
Bis(2-chloroisopropyl)ether	ND	ug/kg	2000					
Bis(2-chloroethoxy)methane	ND	ug/kg	2000					
Hexachlorobutadiene	ND	ug/kg	4000					
Hexachlorocyclopentadiene	ND	ug/kg	4000					
Hexachloroethane	ND	ug/kg	2000					
Isophorone	ND	ug/kg	2000					
Naphthalene	ND	ug/kg	2000					
Nitrobenzene	ND	ug/kg	2000					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	6000					
n-Nitrosodi-n-propylamine	ND	ug/kg	2000					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	4000					
Butyl benzyl phthalate	ND	ug/kg	2000					
Di-n-butylphthalate	ND	ug/kg	2000					
Di-n-octylphthalate	ND	ug/kg	2000					
Diethyl phthalate	ND	ug/kg	2000					
Dimethyl phthalate	ND	ug/kg	2000					

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-03
SB-3 (SURFACO SAMPLE)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0418 02:40	0418 13:53	PS
Benzo(a)anthracene	3000	ug/kg	2000					
Benzo(a)pyrene	2800	ug/kg	2000					
Benzo(b)fluoranthene	3600	ug/kg	2000					
Benzo(k)fluoranthene	ND	ug/kg	2000					
Chrysene	2600	ug/kg	2000					
Acenaphthylene	ND	ug/kg	2000					
Anthracene	ND	ug/kg	2000					
Benzo(ghi)perylene	ND	ug/kg	2000					
Fluorene	ND	ug/kg	2000					
Phenanthrene	3100	ug/kg	2000					
Dibenzo(a,h)anthracene	ND	ug/kg	2000					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	2000					
Pyrene	4200	ug/kg	2000					
Biphenyl	ND	ug/kg	2000					
4-Chloroaniline	ND	ug/kg	2000					
2-Nitroaniline	ND	ug/kg	2000					
3-Nitroaniline	ND	ug/kg	2000					
4-Nitroaniline	ND	ug/kg	2800					
Dibenzofuran	ND	ug/kg	2000					
2-Methylnaphthalene	ND	ug/kg	2000					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	7900					
Acetophenone	ND	ug/kg	7900					
2,4,6-Trichlorophenol	ND	ug/kg	2000					
P-Chloro-M-Cresol	ND	ug/kg	2000					
2-Chlorophenol	ND	ug/kg	2400					
2,4-Dichlorophenol	ND	ug/kg	4000					
2,4-Dimethylphenol	ND	ug/kg	2000					
2-Nitrophenol	ND	ug/kg	7900					
4-Nitrophenol	ND	ug/kg	4000					
2,4-Dinitrophenol	ND	ug/kg	7900					
4,6-Dinitro-o-cresol	ND	ug/kg	7900					
Pentachlorophenol	ND	ug/kg	7900					
Phenol	ND	ug/kg	2800					
2-Methylphenol	ND	ug/kg	2400					
3-Methylphenol/4-Methylphenol	ND	ug/kg	2400					
2,4,5-Trichlorophenol	ND	ug/kg	2000					
Benzoic Acid	ND	ug/kg	20000					
Benzyl Alcohol	ND	ug/kg	4000					
Carbazole	ND	ug/kg	2000					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	68.0	%	25-120					
Phenol-d6	89.0	%	10-120					
Nitrobenzene-d5	89.0	%	23-120					
2-Fluorobiphenyl	86.0	%	30-120					
2,4,6-Tribromophenol	83.0	%	19-120					
4-Terphenyl-d14	82.0	%	18-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0418 02:40	0422 04:55	RL

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-03
SB-3 (SURFACO SAMPLE)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0418 02:40	0422 04:55	RL
Acenaphthene	ND	ug/kg	790					
2-Chloronaphthalene	ND	ug/kg	790					
Fluoranthene	7900	ug/kg	790					
Hexachlorobutadiene	ND	ug/kg	2000					
Naphthalene	ND	ug/kg	790					
Benzo(a)anthracene	4000	ug/kg	790					
Benzo(a)pyrene	4500	ug/kg	790					
Benzo(b)fluoranthene	3700	ug/kg	790					
Benzo(k)fluoranthene	3400	ug/kg	790					
Chrysene	3500	ug/kg	790					
Acenaphthylene	ND	ug/kg	790					
Anthracene	1500	ug/kg	790					
Benzo(ghi)perylene	2100	ug/kg	790					
Fluorene	ND	ug/kg	790					
Phenanthrene	4200	ug/kg	790					
Dibenzo(a,h)anthracene	ND	ug/kg	790					
Indeno(1,2,3-cd)Pyrene	1800	ug/kg	790					
Pyrene	6200	ug/kg	790					
2-Methylnaphthalene	ND	ug/kg	790					
Pentachlorophenol	ND	ug/kg	3200					
Hexachlorobenzene	ND	ug/kg	3200					
Hexachloroethane	ND	ug/kg	3200					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	ND	%	25-120					
Phenol-d6	ND	%	10-120					
Nitrobenzene-d5	ND	%	23-120					
2-Fluorobiphenyl	ND	%	30-120					
2,4,6-Tribromophenol	ND	%	19-120					
4-Terphenyl-d14	ND	%	18-120					

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: L0805417-04
SB-4 (DIRECTLY BELOW SLAB)
Sample Matrix: SOIL

Date Collected: 16-APR-2008 13:45
Date Received : 17-APR-2008
Date Reported : 22-APR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	89	%	0.10	30 2540G		0419 17:30	NM
Volatile Organics by EPA 8260B				1 8260B		0418 20:34	PD
Methylene chloride	ND	ug/kg	28.				
1,1-Dichloroethane	ND	ug/kg	4.2				
Chloroform	ND	ug/kg	4.2				
Carbon tetrachloride	ND	ug/kg	2.8				
1,2-Dichloropropane	ND	ug/kg	9.8				
Dibromochloromethane	ND	ug/kg	2.8				
1,1,2-Trichloroethane	ND	ug/kg	4.2				
Tetrachloroethene	ND	ug/kg	2.8				
Chlorobenzene	ND	ug/kg	2.8				
Trichlorofluoromethane	ND	ug/kg	14.				
1,2-Dichloroethane	ND	ug/kg	2.8				
1,1,1-Trichloroethane	ND	ug/kg	2.8				
Bromodichloromethane	ND	ug/kg	2.8				
trans-1,3-Dichloropropene	ND	ug/kg	2.8				
cis-1,3-Dichloropropene	ND	ug/kg	2.8				
1,1-Dichloropropene	ND	ug/kg	14.				
Bromoform	ND	ug/kg	11.				
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8				
Benzene	ND	ug/kg	2.8				
Toluene	ND	ug/kg	4.2				
Ethylbenzene	ND	ug/kg	2.8				
Chloromethane	ND	ug/kg	14.				
Bromomethane	ND	ug/kg	5.6				
Vinyl chloride	ND	ug/kg	5.6				
Chloroethane	ND	ug/kg	5.6				
1,1-Dichloroethene	ND	ug/kg	2.8				
trans-1,2-Dichloroethene	ND	ug/kg	4.2				
Trichloroethene	ND	ug/kg	2.8				
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	5.6				
p/m-Xylene	ND	ug/kg	5.6				
o-Xylene	ND	ug/kg	5.6				
cis-1,2-Dichloroethene	ND	ug/kg	2.8				
Dibromomethane	ND	ug/kg	28.				

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-04
SB-4 (DIRECTLY BELOW SLAB)

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		0418 20:34	PD
Styrene	ND	ug/kg	5.6				
Dichlorodifluoromethane	ND	ug/kg	28.				
Acetone	ND	ug/kg	28.				
Carbon disulfide	ND	ug/kg	28.				
2-Butanone	ND	ug/kg	28.				
Vinyl acetate	ND	ug/kg	28.				
4-Methyl-2-pentanone	ND	ug/kg	28.				
1,2,3-Trichloropropane	ND	ug/kg	28.				
2-Hexanone	ND	ug/kg	28.				
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	2.8				
Bromobenzene	ND	ug/kg	14.				
n-Butylbenzene	ND	ug/kg	2.8				
sec-Butylbenzene	ND	ug/kg	2.8				
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	2.8				
p-Isopropyltoluene	ND	ug/kg	2.8				
Naphthalene	ND	ug/kg	14.				
Acrylonitrile	ND	ug/kg	28.				
n-Propylbenzene	ND	ug/kg	2.8				
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	2.8				
4-Ethyltoluene	ND	ug/kg	2.8				
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.8				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	95.0	%	70-130
Toluene-d8	95.0	%	70-130
4-Bromofluorobenzene	102	%	70-130
Dibromofluoromethane	90.0	%	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: L0805417-05
SB-5 (4-5)
Sample Matrix: SOIL

Date Collected: 16-APR-2008 14:11
Date Received : 17-APR-2008
Date Reported : 22-APR-2008

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		0419 17:50	NM
Total Metals								
Aluminum, Total	14000	mg/kg	30	1	6010B	0418 12:30	0421 15:34	AI
Antimony, Total	ND	mg/kg	3.0	1	6010B	0418 12:30	0421 13:58	AI
Arsenic, Total	2.6	mg/kg	0.60	1	6010B	0418 12:30	0421 13:58	AI
Barium, Total	49	mg/kg	0.60	1	6010B	0418 12:30	0421 13:58	AI
Beryllium, Total	ND	mg/kg	0.30	1	6010B	0418 12:30	0421 13:58	AI
Cadmium, Total	ND	mg/kg	0.60	1	6010B	0418 12:30	0421 13:58	AI
Calcium, Total	1100	mg/kg	6.0	1	6010B	0418 12:30	0421 13:58	AI
Chromium, Total	23	mg/kg	0.60	1	6010B	0418 12:30	0421 13:58	AI
Cobalt, Total	9.0	mg/kg	1.2	1	6010B	0418 12:30	0421 13:58	AI
Copper, Total	20	mg/kg	0.60	1	6010B	0418 12:30	0421 13:58	AI
Iron, Total	20000	mg/kg	3.0	1	6010B	0418 12:30	0421 13:58	AI
Lead, Total	25	mg/kg	3.0	1	6010B	0418 12:30	0421 13:58	AI
Magnesium, Total	3100	mg/kg	6.0	1	6010B	0418 12:30	0421 13:58	AI
Manganese, Total	470	mg/kg	0.60	1	6010B	0418 12:30	0421 13:58	AI
Mercury, Total	0.15	mg/kg	0.09	1	7471A	0419 17:00	0421 12:17	RC
Nickel, Total	17	mg/kg	1.5	1	6010B	0418 12:30	0421 13:58	AI
Potassium, Total	1600	mg/kg	150	1	6010B	0418 12:30	0421 13:58	AI
Selenium, Total	ND	mg/kg	3.0	1	6010B	0418 12:30	0421 13:58	AI
Silver, Total	ND	mg/kg	0.60	1	6010B	0418 12:30	0421 13:58	AI
Sodium, Total	ND	mg/kg	120	1	6010B	0418 12:30	0421 13:58	AI
Thallium, Total	ND	mg/kg	2.4	1	6010B	0418 12:30	0421 14:46	AI
Vanadium, Total	30	mg/kg	0.60	1	6010B	0418 12:30	0421 13:58	AI
Zinc, Total	42	mg/kg	3.0	1	6010B	0418 12:30	0421 13:58	AI
Volatile Organics by EPA 8260B				1	8260B		0418 21:12	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: L0805417-05
SB-5 (4-5)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 21:12	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	ND	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

Laboratory Sample Number: L0805417-05
SB-5 (4-5)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 21:12	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	3.1					
4-Ethyltoluene	ND	ug/kg	3.1					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	3.1					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	97.0	%	70-130					
Toluene-d8	93.0	%	70-130					
4-Bromofluorobenzene	100	%	70-130					
Dibromofluoromethane	90.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0418 02:40	0418 14:44	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: L0805417-05
SB-5 (4-5)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0418 02:40	0418 14:44	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	51.0	%	25-120					
Phenol-d6	52.0	%	10-120					
Nitrobenzene-d5	51.0	%	23-120					
2-Fluorobiphenyl	53.0	%	30-120					
2,4,6-Tribromophenol	70.0	%	19-120					
4-Terphenyl-d14	66.0	%	18-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0418 02:40	0422 05:39	RL

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-05
SB-5 (4-5)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0418 02:40	0422 05:39	RL
Acenaphthene	ND	ug/kg	16.					
2-Chloronaphthalene	ND	ug/kg	16.					
Fluoranthene	120	ug/kg	16					
Hexachlorobutadiene	ND	ug/kg	41.					
Naphthalene	ND	ug/kg	16.					
Benzo(a)anthracene	69	ug/kg	16					
Benzo(a)pyrene	73	ug/kg	16					
Benzo(b)fluoranthene	64	ug/kg	16					
Benzo(k)fluoranthene	55	ug/kg	16					
Chrysene	60	ug/kg	16					
Acenaphthylene	ND	ug/kg	16.					
Anthracene	19	ug/kg	16					
Benzo(ghi)perylene	35	ug/kg	16					
Fluorene	ND	ug/kg	16.					
Phenanthrene	62	ug/kg	16					
Dibenzo(a,h)anthracene	ND	ug/kg	16.					
Indeno(1,2,3-cd)Pyrene	33	ug/kg	16					
Pyrene	100	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	72.0	%	25-120					
Phenol-d6	76.0	%	10-120					
Nitrobenzene-d5	70.0	%	23-120					
2-Fluorobiphenyl	56.0	%	30-120					
2,4,6-Tribromophenol	87.0	%	19-120					
4-Terphenyl-d14	65.0	%	18-120					

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: L0805417-06
SB-6 (2-3) FILL
Sample Matrix: SOIL

Date Collected: 16-APR-2008 14:30
Date Received : 17-APR-2008
Date Reported : 22-APR-2008

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	90	%	0.10	30	2540G		0419 17:50	NM
Total Metals								
Aluminum, Total	13000	mg/kg	27	1	6010B	0418 12:30	0421 15:30	AI
Antimony, Total	ND	mg/kg	2.7	1	6010B	0418 12:30	0421 14:18	AI
Arsenic, Total	1.6	mg/kg	0.54	1	6010B	0418 12:30	0421 14:18	AI
Barium, Total	72	mg/kg	0.54	1	6010B	0418 12:30	0421 14:18	AI
Beryllium, Total	ND	mg/kg	0.27	1	6010B	0418 12:30	0421 14:18	AI
Cadmium, Total	ND	mg/kg	0.54	1	6010B	0418 12:30	0421 14:18	AI
Calcium, Total	880	mg/kg	5.4	1	6010B	0418 12:30	0421 14:18	AI
Chromium, Total	21	mg/kg	0.54	1	6010B	0418 12:30	0421 14:18	AI
Cobalt, Total	10	mg/kg	1.1	1	6010B	0418 12:30	0421 14:18	AI
Copper, Total	24	mg/kg	0.54	1	6010B	0418 12:30	0421 14:18	AI
Iron, Total	19000	mg/kg	2.7	1	6010B	0418 12:30	0421 14:18	AI
Lead, Total	5.8	mg/kg	2.7	1	6010B	0418 12:30	0421 14:18	AI
Magnesium, Total	3200	mg/kg	5.4	1	6010B	0418 12:30	0421 14:18	AI
Manganese, Total	190	mg/kg	0.54	1	6010B	0418 12:30	0421 14:18	AI
Mercury, Total	ND	mg/kg	0.09	1	7471A	0419 17:00	0421 12:19	RC
Nickel, Total	15	mg/kg	1.3	1	6010B	0418 12:30	0421 14:18	AI
Potassium, Total	2800	mg/kg	130	1	6010B	0418 12:30	0421 14:18	AI
Selenium, Total	ND	mg/kg	1.1	1	6010B	0418 12:30	0421 14:18	AI
Silver, Total	ND	mg/kg	0.54	1	6010B	0418 12:30	0421 14:18	AI
Sodium, Total	ND	mg/kg	110	1	6010B	0418 12:30	0421 14:18	AI
Thallium, Total	ND	mg/kg	1.1	1	6010B	0418 12:30	0421 14:18	AI
Vanadium, Total	30	mg/kg	0.54	1	6010B	0418 12:30	0421 14:18	AI
Zinc, Total	31	mg/kg	2.7	1	6010B	0418 12:30	0421 14:18	AI
Volatile Organics by EPA 8260B				1	8260B		0418 21:50	PD
Methylene chloride	ND	ug/kg	28.					
1,1-Dichloroethane	ND	ug/kg	4.2					
Chloroform	ND	ug/kg	4.2					
Carbon tetrachloride	ND	ug/kg	2.8					
1,2-Dichloropropane	ND	ug/kg	9.7					
Dibromochloromethane	ND	ug/kg	2.8					
1,1,2-Trichloroethane	ND	ug/kg	4.2					
Tetrachloroethene	ND	ug/kg	2.8					
Chlorobenzene	ND	ug/kg	2.8					
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: L0805417-06
SB-6 (2-3) FILL

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 21:50	PD
1,2-Dichloroethane	ND	ug/kg	2.8					
1,1,1-Trichloroethane	ND	ug/kg	2.8					
Bromodichloromethane	ND	ug/kg	2.8					
trans-1,3-Dichloropropene	ND	ug/kg	2.8					
cis-1,3-Dichloropropene	ND	ug/kg	2.8					
1,1-Dichloropropene	ND	ug/kg	14.					
Bromoform	ND	ug/kg	11.					
1,1,2,2-Tetrachloroethane	ND	ug/kg	2.8					
Benzene	ND	ug/kg	2.8					
Toluene	ND	ug/kg	4.2					
Ethylbenzene	ND	ug/kg	2.8					
Chloromethane	ND	ug/kg	14.					
Bromomethane	ND	ug/kg	5.6					
Vinyl chloride	ND	ug/kg	5.6					
Chloroethane	ND	ug/kg	5.6					
1,1-Dichloroethene	ND	ug/kg	2.8					
trans-1,2-Dichloroethene	ND	ug/kg	4.2					
Trichloroethene	ND	ug/kg	2.8					
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	5.6					
p/m-Xylene	ND	ug/kg	5.6					
o-Xylene	ND	ug/kg	5.6					
cis-1,2-Dichloroethene	ND	ug/kg	2.8					
Dibromomethane	ND	ug/kg	28.					
Styrene	ND	ug/kg	5.6					
Dichlorodifluoromethane	ND	ug/kg	28.					
Acetone	ND	ug/kg	28.					
Carbon disulfide	ND	ug/kg	28.					
2-Butanone	ND	ug/kg	28.					
Vinyl acetate	ND	ug/kg	28.					
4-Methyl-2-pentanone	ND	ug/kg	28.					
1,2,3-Trichloropropane	ND	ug/kg	28.					
2-Hexanone	ND	ug/kg	28.					
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	2.8					
Bromobenzene	ND	ug/kg	14.					
n-Butylbenzene	ND	ug/kg	2.8					
sec-Butylbenzene	ND	ug/kg	2.8					
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	2.8					

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-06
SB-6 (2-3) FILL

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 21:50	PD
p-Isopropyltoluene	ND	ug/kg	2.8					
Naphthalene	ND	ug/kg	14.					
Acrylonitrile	ND	ug/kg	28.					
n-Propylbenzene	ND	ug/kg	2.8					
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	2.8					
4-Ethyltoluene	ND	ug/kg	2.8					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.8					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	99.0	%	70-130					
Toluene-d8	94.0	%	70-130					
4-Bromofluorobenzene	102	%	70-130					
Dibromofluoromethane	92.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0418 02:40	0418 15:08	PS
Acenaphthene	ND	ug/kg	370					
1,2,4-Trichlorobenzene	ND	ug/kg	370					
Hexachlorobenzene	ND	ug/kg	370					
Bis(2-chloroethyl)ether	ND	ug/kg	370					
2-Chloronaphthalene	ND	ug/kg	440					
1,2-Dichlorobenzene	ND	ug/kg	370					
1,3-Dichlorobenzene	ND	ug/kg	370					
1,4-Dichlorobenzene	ND	ug/kg	370					
3,3'-Dichlorobenzidine	ND	ug/kg	740					
2,4-Dinitrotoluene	ND	ug/kg	370					
2,6-Dinitrotoluene	ND	ug/kg	370					
Fluoranthene	ND	ug/kg	370					
4-Chlorophenyl phenyl ether	ND	ug/kg	370					
4-Bromophenyl phenyl ether	ND	ug/kg	370					
Bis(2-chloroisopropyl)ether	ND	ug/kg	370					
Bis(2-chloroethoxy)methane	ND	ug/kg	370					
Hexachlorobutadiene	ND	ug/kg	740					
Hexachlorocyclopentadiene	ND	ug/kg	740					
Hexachloroethane	ND	ug/kg	370					
Isophorone	ND	ug/kg	370					
Naphthalene	ND	ug/kg	370					
Nitrobenzene	ND	ug/kg	370					
NitrosoDiPhenylAmine(NDPA)/DPA	ND	ug/kg	1100					
n-Nitrosodi-n-propylamine	ND	ug/kg	370					
Bis(2-Ethylhexyl)phthalate	ND	ug/kg	740					
Butyl benzyl phthalate	ND	ug/kg	370					
Di-n-butylphthalate	ND	ug/kg	370					
Di-n-octylphthalate	ND	ug/kg	370					
Diethyl phthalate	ND	ug/kg	370					
Dimethyl phthalate	ND	ug/kg	370					

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-06
SB-6 (2-3) FILL

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0418 02:40	0418 15:08	PS
Benzo(a)anthracene	ND	ug/kg	370					
Benzo(a)pyrene	ND	ug/kg	370					
Benzo(b)fluoranthene	ND	ug/kg	370					
Benzo(k)fluoranthene	ND	ug/kg	370					
Chrysene	ND	ug/kg	370					
Acenaphthylene	ND	ug/kg	370					
Anthracene	ND	ug/kg	370					
Benzo(ghi)perylene	ND	ug/kg	370					
Fluorene	ND	ug/kg	370					
Phenanthrene	ND	ug/kg	370					
Dibenzo(a,h)anthracene	ND	ug/kg	370					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	370					
Pyrene	ND	ug/kg	370					
Biphenyl	ND	ug/kg	370					
4-Chloroaniline	ND	ug/kg	370					
2-Nitroaniline	ND	ug/kg	370					
3-Nitroaniline	ND	ug/kg	370					
4-Nitroaniline	ND	ug/kg	520					
Dibenzofuran	ND	ug/kg	370					
2-Methylnaphthalene	ND	ug/kg	370					
1,2,4,5-Tetrachlorobenzene	ND	ug/kg	1500					
Acetophenone	ND	ug/kg	1500					
2,4,6-Trichlorophenol	ND	ug/kg	370					
P-Chloro-M-Cresol	ND	ug/kg	370					
2-Chlorophenol	ND	ug/kg	440					
2,4-Dichlorophenol	ND	ug/kg	740					
2,4-Dimethylphenol	ND	ug/kg	370					
2-Nitrophenol	ND	ug/kg	1500					
4-Nitrophenol	ND	ug/kg	740					
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	520					
2-Methylphenol	ND	ug/kg	440					
3-Methylphenol/4-Methylphenol	ND	ug/kg	440					
2,4,5-Trichlorophenol	ND	ug/kg	370					
Benzoic Acid	ND	ug/kg	3700					
Benzyl Alcohol	ND	ug/kg	740					
Carbazole	ND	ug/kg	370					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	57.0	%	25-120					
Phenol-d6	60.0	%	10-120					
Nitrobenzene-d5	59.0	%	23-120					
2-Fluorobiphenyl	61.0	%	30-120					
2,4,6-Tribromophenol	70.0	%	19-120					
4-Terphenyl-d14	72.0	%	18-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0418 02:40	0421 23:53	RL

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-06
SB-6 (2-3) FILL

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0418 02:40	0421 23:53	RL
Acenaphthene	ND	ug/kg	15.					
2-Chloronaphthalene	ND	ug/kg	15.					
Fluoranthene	ND	ug/kg	15.					
Hexachlorobutadiene	ND	ug/kg	37.					
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	59.					
Hexachlorobenzene	ND	ug/kg	59.					
Hexachloroethane	ND	ug/kg	59.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	74.0	%	25-120					
Phenol-d6	80.0	%	10-120					
Nitrobenzene-d5	70.0	%	23-120					
2-Fluorobiphenyl	56.0	%	30-120					
2,4,6-Tribromophenol	79.0	%	19-120					
4-Terphenyl-d14	69.0	%	18-120					

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: L0805417-07
SB-6 (8-9)
Sample Matrix: SOIL

Date Collected: 16-APR-2008 14:35
Date Received : 17-APR-2008
Date Reported : 22-APR-2008

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		0419 17:50	NM
Total Metals								
Aluminum, Total	7500	mg/kg	11	1	6010B	0418 12:30	0421 16:07	AI
Antimony, Total	ND	mg/kg	2.7	1	6010B	0418 12:30	0421 15:16	AI
Arsenic, Total	2.3	mg/kg	0.55	1	6010B	0418 12:30	0421 15:16	AI
Barium, Total	37	mg/kg	0.55	1	6010B	0418 12:30	0421 15:16	AI
Beryllium, Total	ND	mg/kg	0.27	1	6010B	0418 12:30	0421 15:16	AI
Cadmium, Total	ND	mg/kg	0.55	1	6010B	0418 12:30	0421 15:16	AI
Calcium, Total	2100	mg/kg	5.5	1	6010B	0418 12:30	0421 15:16	AI
Chromium, Total	27	mg/kg	0.55	1	6010B	0418 12:30	0421 15:16	AI
Cobalt, Total	9.0	mg/kg	1.1	1	6010B	0418 12:30	0421 15:16	AI
Copper, Total	20	mg/kg	0.55	1	6010B	0418 12:30	0421 15:16	AI
Iron, Total	17000	mg/kg	2.7	1	6010B	0418 12:30	0421 15:16	AI
Lead, Total	4.1	mg/kg	2.7	1	6010B	0418 12:30	0421 15:16	AI
Magnesium, Total	2800	mg/kg	5.5	1	6010B	0418 12:30	0421 15:16	AI
Manganese, Total	170	mg/kg	0.55	1	6010B	0418 12:30	0421 15:16	AI
Mercury, Total	ND	mg/kg	0.09	1	7471A	0419 17:00	0421 12:21	RC
Nickel, Total	17	mg/kg	1.4	1	6010B	0418 12:30	0421 15:16	AI
Potassium, Total	1100	mg/kg	140	1	6010B	0418 12:30	0421 15:16	AI
Selenium, Total	ND	mg/kg	1.1	1	6010B	0418 12:30	0421 15:16	AI
Silver, Total	ND	mg/kg	0.55	1	6010B	0418 12:30	0421 15:16	AI
Sodium, Total	ND	mg/kg	110	1	6010B	0418 12:30	0421 15:16	AI
Thallium, Total	ND	mg/kg	1.1	1	6010B	0418 12:30	0421 15:16	AI
Vanadium, Total	33	mg/kg	0.55	1	6010B	0418 12:30	0421 15:16	AI
Zinc, Total	29	mg/kg	2.7	1	6010B	0418 12:30	0421 15:16	AI
Volatile Organics by EPA 8260B				1	8260B		0418 22:28	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: L0805417-07
SB-6 (8-9)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 22:28	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

Laboratory Sample Number: L0805417-07
SB-6 (8-9)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 22:28	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	3.0					
4-Ethyltoluene	ND	ug/kg	3.0					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	3.0					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	100	%	70-130					
Toluene-d8	94.0	%	70-130					
4-Bromofluorobenzene	99.0	%	70-130					
Dibromofluoromethane	92.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0418 02:40	0418 14:31	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: L0805417-07
SB-6 (8-9)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0418 02:40	0418 14:31	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	35.0	%	10-120					
Nitrobenzene-d5	34.0	%	23-120					
2-Fluorobiphenyl	33.0	%	30-120					
2,4,6-Tribromophenol	38.0	%	19-120					
4-Terphenyl-d14	40.0	%	18-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0418 02:40	0422 00:39	RL

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-07
SB-6 (8-9)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0418 02:40	0422 00:39	RL
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	52.0	%	25-120					
Phenol-d6	56.0	%	10-120					
Nitrobenzene-d5	49.0	%	23-120					
2-Fluorobiphenyl	40.0	%	30-120					
2,4,6-Tribromophenol	54.0	%	19-120					
4-Terphenyl-d14	51.0	%	18-120					

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: L0805417-08
SB-7 (6-7)
Sample Matrix: SOIL

Date Collected: 16-APR-2008 15:40
Date Received : 17-APR-2008
Date Reported : 22-APR-2008

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		0419 17:50	NM
Total Metals								
Aluminum, Total	7200	mg/kg	12	1	6010B	0418 12:30	0421 16:10	AI
Antimony, Total	ND	mg/kg	2.9	1	6010B	0418 12:30	0421 15:19	AI
Arsenic, Total	1.1	mg/kg	0.58	1	6010B	0418 12:30	0421 15:19	AI
Barium, Total	28	mg/kg	0.58	1	6010B	0418 12:30	0421 15:19	AI
Beryllium, Total	ND	mg/kg	0.29	1	6010B	0418 12:30	0421 15:19	AI
Cadmium, Total	ND	mg/kg	0.58	1	6010B	0418 12:30	0421 15:19	AI
Calcium, Total	1600	mg/kg	5.8	1	6010B	0418 12:30	0421 15:19	AI
Chromium, Total	19	mg/kg	0.58	1	6010B	0418 12:30	0421 15:19	AI
Cobalt, Total	9.1	mg/kg	1.2	1	6010B	0418 12:30	0421 15:19	AI
Copper, Total	20	mg/kg	0.58	1	6010B	0418 12:30	0421 15:19	AI
Iron, Total	13000	mg/kg	2.9	1	6010B	0418 12:30	0421 15:19	AI
Lead, Total	3.0	mg/kg	2.9	1	6010B	0418 12:30	0421 15:19	AI
Magnesium, Total	2000	mg/kg	5.8	1	6010B	0418 12:30	0421 15:19	AI
Manganese, Total	280	mg/kg	0.58	1	6010B	0418 12:30	0421 15:19	AI
Mercury, Total	ND	mg/kg	0.09	1	7471A	0419 17:00	0421 12:26	RC
Nickel, Total	16	mg/kg	1.5	1	6010B	0418 12:30	0421 15:19	AI
Potassium, Total	930	mg/kg	150	1	6010B	0418 12:30	0421 15:19	AI
Selenium, Total	ND	mg/kg	1.2	1	6010B	0418 12:30	0421 15:19	AI
Silver, Total	ND	mg/kg	0.58	1	6010B	0418 12:30	0421 15:19	AI
Sodium, Total	ND	mg/kg	120	1	6010B	0418 12:30	0421 15:19	AI
Thallium, Total	ND	mg/kg	1.2	1	6010B	0418 12:30	0421 15:19	AI
Vanadium, Total	24	mg/kg	0.58	1	6010B	0418 12:30	0421 15:19	AI
Zinc, Total	21	mg/kg	2.9	1	6010B	0418 12:30	0421 15:19	AI
Volatile Organics by EPA 8260B				1	8260B		0418 23:06	PD
Methylene chloride	ND	ug/kg	31.					
1,1-Dichloroethane	ND	ug/kg	4.7					
Chloroform	ND	ug/kg	4.7					
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	4.7					
Tetrachloroethene	6.5	ug/kg	3.1					
Chlorobenzene	ND	ug/kg	3.1					
Trichlorofluoromethane	ND	ug/kg	16.					

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-08
SB-7 (6-7)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 23:06	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	16.					
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	4.7					
Ethylbenzene	ND	ug/kg	3.1					
Chloromethane	ND	ug/kg	16.					
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	4.7					
Trichloroethene	ND	ug/kg	3.1					
1,2-Dichlorobenzene	ND	ug/kg	16.					
1,3-Dichlorobenzene	ND	ug/kg	16.					
1,4-Dichlorobenzene	ND	ug/kg	16.					
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	ND	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	16.					
2,2-Dichloropropane	ND	ug/kg	16.					
1,2-Dibromoethane	ND	ug/kg	12.					
1,3-Dichloropropane	ND	ug/kg	16.					
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.1					
Bromobenzene	ND	ug/kg	16.					
n-Butylbenzene	ND	ug/kg	3.1					
sec-Butylbenzene	ND	ug/kg	3.1					
tert-Butylbenzene	ND	ug/kg	16.					
o-Chlorotoluene	ND	ug/kg	16.					
p-Chlorotoluene	ND	ug/kg	16.					
1,2-Dibromo-3-chloropropane	ND	ug/kg	16.					
Hexachlorobutadiene	ND	ug/kg	16.					
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: L0805417-08
SB-7 (6-7)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 23:06	PD
p-Isopropyltoluene	ND	ug/kg	3.1					
Naphthalene	ND	ug/kg	16.					
Acrylonitrile	ND	ug/kg	31.					
n-Propylbenzene	ND	ug/kg	3.1					
1,2,3-Trichlorobenzene	ND	ug/kg	16.					
1,2,4-Trichlorobenzene	ND	ug/kg	16.					
1,3,5-Trimethylbenzene	ND	ug/kg	16.					
1,2,4-Trimethylbenzene	ND	ug/kg	16.					
1,4-Diethylbenzene	ND	ug/kg	3.1					
4-Ethyltoluene	ND	ug/kg	3.1					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	3.1					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	103	%	70-130					
Toluene-d8	98.0	%	70-130					
4-Bromofluorobenzene	103	%	70-130					
Dibromofluoromethane	97.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0418 02:40	0418 14:53	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					
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					

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-08
SB-7 (6-7)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0418 02:40	0418 14:53	PS
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					
Benzoic Acid	ND	ug/kg	4200					
Benzyl Alcohol	ND	ug/kg	830					
Carbazole	ND	ug/kg	420					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	61.0	%	25-120					
Phenol-d6	79.0	%	10-120					
Nitrobenzene-d5	75.0	%	23-120					
2-Fluorobiphenyl	72.0	%	30-120					
2,4,6-Tribromophenol	83.0	%	19-120					
4-Terphenyl-d14	80.0	%	18-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0418 02:40	0422 01:24	RL

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805417-08
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	0418 02:40	0422 01:24	RL
Acenaphthene	ND	ug/kg	17.					
2-Chloronaphthalene	ND	ug/kg	17.					
Fluoranthene	ND	ug/kg	17.					
Hexachlorobutadiene	ND	ug/kg	42.					
Naphthalene	ND	ug/kg	17.					
Benzo(a)anthracene	ND	ug/kg	17.					
Benzo(a)pyrene	ND	ug/kg	17.					
Benzo(b)fluoranthene	ND	ug/kg	17.					
Benzo(k)fluoranthene	ND	ug/kg	17.					
Chrysene	ND	ug/kg	17.					
Acenaphthylene	ND	ug/kg	17.					
Anthracene	ND	ug/kg	17.					
Benzo(ghi)perylene	ND	ug/kg	17.					
Fluorene	ND	ug/kg	17.					
Phenanthrene	ND	ug/kg	17.					
Dibenzo(a,h)anthracene	ND	ug/kg	17.					
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	17.					
Pyrene	ND	ug/kg	17.					
2-Methylnaphthalene	ND	ug/kg	17.					
Pentachlorophenol	ND	ug/kg	67.					
Hexachlorobenzene	ND	ug/kg	67.					
Hexachloroethane	ND	ug/kg	67.					
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	85.0	%	25-120					
Phenol-d6	93.0	%	10-120					
Nitrobenzene-d5	80.0	%	23-120					
2-Fluorobiphenyl	64.0	%	30-120					
2,4,6-Tribromophenol	83.0	%	19-120					
4-Terphenyl-d14	72.0	%	18-120					

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

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0805417

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total for sample(s) 04 (L0805265-03, WG318768-1)					
Solids, Total	80	78	%	3	20
Solids, Total for sample(s) 01-03,05-08 (L0805383-01, WG318769-1)					
Solids, Total	87	87	%	0	20
Total Metals for sample(s) 02-03,05-08 (L0805417-05, WG318633-1)					
Aluminum, Total	14000	14000	mg/kg	0	35
Antimony, Total	ND	ND	mg/kg	NC	35
Arsenic, Total	2.6	2.8	mg/kg	7	35
Barium, Total	49	58	mg/kg	17	35
Beryllium, Total	ND	ND	mg/kg	NC	35
Cadmium, Total	ND	ND	mg/kg	NC	35
Calcium, Total	1100	1200	mg/kg	9	35
Chromium, Total	23	26	mg/kg	12	35
Cobalt, Total	9.0	9.2	mg/kg	2	35
Copper, Total	20	22	mg/kg	10	35
Iron, Total	20000	22000	mg/kg	10	35
Lead, Total	25	30	mg/kg	18	35
Magnesium, Total	3100	3500	mg/kg	12	35
Manganese, Total	470	510	mg/kg	8	35
Nickel, Total	17	19	mg/kg	11	35
Potassium, Total	1600	1800	mg/kg	12	35
Selenium, Total	ND	ND	mg/kg	NC	35
Silver, Total	ND	ND	mg/kg	NC	35
Sodium, Total	ND	140	mg/kg	NC	35
Thallium, Total	ND	ND	mg/kg	NC	35
Vanadium, Total	30	33	mg/kg	10	35
Zinc, Total	42	48	mg/kg	13	35
Total Metals for sample(s) 02-03,05-08 (L0805560-01, WG318771-3)					
Mercury, Total	ND	ND	mg/kg	NC	35

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0805417

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 02-03,05-08 (WG318633-4)		
Aluminum, Total	90	75-125
Antimony, Total	91	75-125
Arsenic, Total	95	75-125
Barium, Total	88	75-125
Beryllium, Total	87	75-125
Cadmium, Total	98	75-125
Calcium, Total	87	75-125
Chromium, Total	91	75-125
Cobalt, Total	91	75-125
Copper, Total	91	75-125
Iron, Total	91	75-125
Lead, Total	90	75-125
Magnesium, Total	87	75-125
Manganese, Total	91	75-125
Nickel, Total	87	75-125
Potassium, Total	89	75-125
Selenium, Total	86	75-125
Silver, Total	90	75-125
Sodium, Total	87	75-125
Thallium, Total	88	75-125
Vanadium, Total	91	75-125
Zinc, Total	83	75-125
Total Metals LCS for sample(s) 02-03,05-08 (WG318771-1)		
Mercury, Total	107	85-115
Total Metals SPIKE for sample(s) 02-03,05-08 (L0805417-05, WG318633-2)		
Aluminum, Total	0	75-125
Antimony, Total	23	75-125
Arsenic, Total	96	75-125
Barium, Total	90	75-125
Beryllium, Total	71	75-125
Cadmium, Total	84	75-125
Calcium, Total	106	75-125
Chromium, Total	106	75-125
Cobalt, Total	85	75-125
Copper, Total	99	75-125
Iron, Total	1780	75-125
Lead, Total	136	75-125
Magnesium, Total	142	75-125
Manganese, Total	71	75-125
Nickel, Total	85	75-125
Potassium, Total	124	75-125
Selenium, Total	77	75-125
Silver, Total	89	75-125
Sodium, Total	121	75-125
Thallium, Total	65	75-125
Vanadium, Total	92	75-125

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0805417

Continued

Parameter	% Recovery	QC Criteria
Total Metals SPIKE for sample(s) 02-03,05-08 (L0805417-05, WG318633-2)		
Zinc, Total	85	75-125
Total Metals SPIKE for sample(s) 02-03,05-08 (L0805560-01, WG318771-2)		
Mercury, Total	130	70-130

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0805417

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by EPA 8260B for sample(s) 01-08 (WG318749-1, WG318749-2)					
Chlorobenzene	100	95	5	30	60-133
Benzene	94	90	4	30	66-142
Toluene	99	94	5	30	59-139
1,1-Dichloroethene	94	92	2	30	59-172
Trichloroethene	98	93	5	30	62-137
Surrogate(s)					
1,2-Dichloroethane-d4	88	91	3		70-130
Toluene-d8	93	94	1		70-130
4-Bromofluorobenzene	89	92	3		70-130
Dibromofluoromethane	87	91	4		70-130
Semivolatile Organics by EPA 8270C for sample(s) 01-03,05-08 (WG318578-2, WG318578-3)					
Acenaphthene	65	63	3	50	31-137
1,2,4-Trichlorobenzene	65	63	3	50	38-107
2-Chloronaphthalene	68	66	3	50	40-140
1,2-Dichlorobenzene	60	64	6	50	40-140
1,4-Dichlorobenzene	56	57	2	50	28-104
2,4-Dinitrotoluene	79	76	4	50	28-89
2,6-Dinitrotoluene	73	73	0	50	40-140
Fluoranthene	76	77	1	50	40-140
4-Chlorophenyl phenyl ether	72	74	3	50	40-140
n-Nitrosodi-n-propylamine	56	56	0	50	41-126
Butyl benzyl phthalate	78	76	3	50	40-140
Anthracene	75	74	1	50	40-140
Pyrene	70	67	4	50	35-142
P-Chloro-M-Cresol	74	74	0	50	26-103
2-Chlorophenol	58	59	2	50	25-102
2-Nitrophenol	61	60	2	50	30-130
4-Nitrophenol	68	72	6	50	11-114
2,4-Dinitrophenol	43	37	15	50	30-130
Pentachlorophenol	61	60	2	50	17-109
Phenol	53	57	7	50	26-90
Surrogate(s)					
2-Fluorophenol	54	54	0		25-120
Phenol-d6	58	58	0		10-120
Nitrobenzene-d5	59	57	3		23-120
2-Fluorobiphenyl	66	66	0		30-120
2,4,6-Tribromophenol	84	78	7		19-120
4-Terphenyl-d14	77	73	5		18-120
Semivolatile Organics by EPA 8270C-SIM for sample(s) 01-03,05-08 (WG318579-2, WG318579-3)					
Acenaphthene	53	57	7		40-140
2-Chloronaphthalene	52	55	6		40-140
Fluoranthene	77	79	3		40-140
Anthracene	63	74	16		40-140
Pyrene	74	80	8		40-140

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0805417

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Semivolatile Organics by EPA 8270C-SIM for sample(s) 01-03,05-08 (WG318579-2, WG318579-3)					
Pentachlorophenol	44	64	37		30-130
Surrogate(s)					
2-Fluorophenol	58	57	2		25-120
Phenol-d6	62	57	8		10-120
Nitrobenzene-d5	57	57	0		23-120
2-Fluorobiphenyl	47	46	2		30-120
2,4,6-Tribromophenol	72	74	3		19-120
4-Terphenyl-d14	53	53	0		18-120

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805417

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02-03,05-08 (WG318633-3)								
Total Metals								
Aluminum, Total	ND	mg/kg	5.0	1	6010B	0418 12:30	0421 13:51	AI
Antimony, Total	ND	mg/kg	2.5	1	6010B	0418 12:30	0421 13:51	AI
Arsenic, Total	ND	mg/kg	0.50	1	6010B	0418 12:30	0421 13:51	AI
Barium, Total	ND	mg/kg	0.50	1	6010B	0418 12:30	0421 13:51	AI
Beryllium, Total	ND	mg/kg	0.25	1	6010B	0418 12:30	0421 13:51	AI
Cadmium, Total	ND	mg/kg	0.50	1	6010B	0418 12:30	0421 13:51	AI
Calcium, Total	ND	mg/kg	5.0	1	6010B	0418 12:30	0421 13:51	AI
Chromium, Total	ND	mg/kg	0.50	1	6010B	0418 12:30	0421 13:51	AI
Cobalt, Total	ND	mg/kg	1.0	1	6010B	0418 12:30	0421 13:51	AI
Copper, Total	ND	mg/kg	0.50	1	6010B	0418 12:30	0421 13:51	AI
Iron, Total	ND	mg/kg	2.5	1	6010B	0418 12:30	0421 13:51	AI
Lead, Total	ND	mg/kg	2.5	1	6010B	0418 12:30	0421 13:51	AI
Magnesium, Total	ND	mg/kg	5.0	1	6010B	0418 12:30	0421 13:51	AI
Manganese, Total	ND	mg/kg	0.50	1	6010B	0418 12:30	0421 13:51	AI
Nickel, Total	ND	mg/kg	1.2	1	6010B	0418 12:30	0421 13:51	AI
Potassium, Total	ND	mg/kg	120	1	6010B	0418 12:30	0421 13:51	AI
Selenium, Total	ND	mg/kg	2.5	1	6010B	0418 12:30	0421 13:51	AI
Silver, Total	ND	mg/kg	0.50	1	6010B	0418 12:30	0421 13:51	AI
Sodium, Total	ND	mg/kg	100	1	6010B	0418 12:30	0421 13:51	AI
Thallium, Total	ND	mg/kg	2.5	1	6010B	0418 12:30	0421 13:51	AI
Vanadium, Total	ND	mg/kg	0.50	1	6010B	0418 12:30	0421 13:51	AI
Zinc, Total	ND	mg/kg	2.5	1	6010B	0418 12:30	0421 13:51	AI
Blank Analysis for sample(s) 02-03,05-08 (WG318771-4)								
Total Metals								
Mercury, Total	ND	mg/kg	0.08	1	7471A	0419 17:00	0421 12:09	RC
Blank Analysis for sample(s) 01-08 (WG318749-3)								
Volatile Organics by EPA 8260B				1	8260B		0418 17:23	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					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805417

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-08 (WG318749-3)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0418 17:23	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.				

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805417

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-08 (WG318749-3)								
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 17:23	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	2.5					
4-Ethyltoluene	ND	ug/kg	2.5					
1,2,4,5-Tetramethylbenzene	ND	ug/kg	2.5					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	88.0	%	70-130					
Toluene-d8	91.0	%	70-130					
4-Bromofluorobenzene	95.0	%	70-130					
Dibromofluoromethane	87.0	%	70-130					
Blank Analysis for sample(s) 01-03,05-08 (WG318578-1)								
Semivolatile Organics by EPA 8270C				1	8270C	0418 02:40	0418 12:38	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					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805417

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-03,05-08 (WG318578-1)							
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0418 02:40	0418 12:38	PS
Diethyl phthalate	ND	ug/kg	330				
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	58.0	%	25-120				
Phenol-d6	64.0	%	10-120				
Nitrobenzene-d5	63.0	%	23-120				

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805417

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-03,05-08 (WG318578-1)								
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0418 02:40	0418 12:38	PS
2-Fluorobiphenyl	65.0	%	30-120					
2,4,6-Tribromophenol	76.0	%	19-120					
4-Terphenyl-d14	79.0	%	18-120					
Blank Analysis for sample(s) 01-03,05-08 (WG318579-1)								
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0418 02:40	0421 17:10	RL
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	85.0	%	25-120					
Phenol-d6	92.0	%	10-120					
Nitrobenzene-d5	81.0	%	23-120					
2-Fluorobiphenyl	64.0	%	30-120					
2,4,6-Tribromophenol	98.0	%	19-120					
4-Terphenyl-d14	80.0	%	18-120					

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.

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: 4/17

ALPHA Job #: L0805417

Client Information

Client: AKRF Inc

Address: 34 S. Broadway, Suite 314
White Plains NY 10601

Phone: Chad - (646) 522-5227

Fax:

Email: condrusek@AKRF.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Boone Ave (1554 & 1560)

Project Location: Bronx, NY

Project #: 11068

Project Manager: Marcus Simmons

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!) 3 day

Date Due: 4/22/08 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 | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☐ 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	VOCs	SVOCs	TAL Metals	Sample Specific Comments	TOTAL # BOTTLES
5417-1	SB-1 (directly below slab)	4/16/08	10:20	S	C.O.	X	X		Run SVOCs if enough volume	2
2	SB-2 (6-8')		11:08		C.O	X	X	X		3
3	SB-3 (surface sample)		12:12		C.O	X	X	X		3
4	SB-4 (directly below slab)		13:45		C.O	X				1
5	SB-5 (4-5)		14:11		C.O	X	X	X		3
6	SB6 (2-3) Fill		14:30		C.O	X	X	X		3
7	SB-6 (8-9)		14:35		C.O	X	X	X		3
8	SB-7 (6-7)		15:40		C.O	X	X	X		3

Container Type	A	A	A
Preservative	A	A	A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Chad Ondrusek	4/17/08 11:40	Paul Gilbert	4/17/08 11:40
Paul Gilbert	4/17/08 17:30		4/17 17:30

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 Payment Terms. See reverse side.

FORM NO: 01-01 (rev. 30-JUL-07)

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

Address: 34 South Broadway
Suite 314
White Plains, NY 10001

Attn: Mr. Chad Ondrusek

Project Number: 11068

Laboratory Job Number: L0805416

Date Received: 17-APR-2008

Date Reported: 22-APR-2008

Delivery Method: Alpha

Site: BOONE AVE (1550+1560)

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0805416-01	GW-1 (SB-2)	BRONX, NY
L0805416-02	GW-2 (EXISTING MW-3)	BRONX, NY
L0805416-03	GW-3 (SB-7)	BRONX, NY
L0805416-04	TRIP BLANK	BRONX, NY

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: _____
Technical Representative

ALPHA ANALYTICAL
NARRATIVE REPORT

Laboratory Job Number: L0805416

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.

Sample Receipt

The Trip Blank was received in the laboratory but not listed on the Chain of Custody. At the request of the client, the Trip Blank was analyzed.

Total Metals

L0805416-01 has an elevated detection limit for Mercury due to the 100x dilution required to quantitate the result within the calibration curve.

L0805416-02 has an elevated detection limit for Sodium due to the 2x dilution required to quantitate the result within the calibration range.

The WG318616-1 Laboratory Duplicate RPD for Potassium is outside of the acceptance criteria for the method. The elevated RPD has been attributed to the non-homogenous nature of the sample utilized for the laboratory duplicate. (Sediment present on bottom of sample container.)

The WG318616-2 MS recoveries for Aluminum, Calcium, Iron, and Manganese are invalid because the sample concentration is greater than four times the spike amount added. The MS recoveries for Magnesium and Potassium are below the method acceptance criteria. Post digestion spikes were performed with acceptable recoveries of 82% and 109%, respectively.

The WG318616-3 Method Blank, has a concentration above the reporting limit for Aluminum. Since the associated sample concentrations are 10x the blank concentration for Aluminum, no corrective action is required. The results of the original analyses are reported.

Dissolved Metals

L0805416-02 has an elevated detection limit for Sodium due to the 2x dilution required to quantitate the result within the calibration range.

Semivolatile Organics

The WG318381-2/3 LCS/LCSD recoveries, associated with L0805416-01, -02, and -03, were above the acceptance criteria for 2,4-Dinitrophenol, 2,4-Dinitrotoluene, p-Chloro-m-cresol, and Pentachlorophenol; however, the associated samples were non-detect for these target compounds. The results of the original analyses are reported. The surrogate recoveries for the WG318381-2/3 LCS/LCSD are above the acceptance criteria for 2,4,6-Tribromophenol and 4-Terphenyl-d14.

Semivolatile Organics-SIM

L0805416-02 required re-analysis on a 5x dilution in order to quantitate the sample within the calibration range. The result is reported as a greater than value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the calibration range.

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: L0805416-01
GW-1 (SB-2)
Sample Matrix: WATER

Date Collected: 16-APR-2008 10:55
Date Received : 17-APR-2008
Date Reported : 22-APR-2008

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	64	mg/l	0.10	1	6010B	0418 11:30	0421 12:07	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0418 11:30	0421 12:07	AI
Arsenic, Total	0.019	mg/l	0.005	1	6010B	0418 11:30	0421 12:07	AI
Barium, Total	0.951	mg/l	0.010	1	6010B	0418 11:30	0421 12:07	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0418 11:30	0421 12:07	AI
Cadmium, Total	0.009	mg/l	0.005	1	6010B	0418 11:30	0421 12:07	AI
Calcium, Total	170	mg/l	0.10	1	6010B	0418 11:30	0421 12:07	AI
Chromium, Total	0.15	mg/l	0.01	1	6010B	0418 11:30	0421 12:07	AI
Cobalt, Total	0.063	mg/l	0.020	1	6010B	0418 11:30	0421 12:07	AI
Copper, Total	0.675	mg/l	0.010	1	6010B	0418 11:30	0421 12:07	AI
Iron, Total	75	mg/l	0.05	1	6010B	0418 11:30	0421 12:07	AI
Lead, Total	1.34	mg/l	0.010	1	6010B	0418 11:30	0421 12:07	AI
Magnesium, Total	32	mg/l	0.10	1	6010B	0418 11:30	0421 12:07	AI
Manganese, Total	2.46	mg/l	0.010	1	6010B	0418 11:30	0421 12:07	AI
Mercury, Total	0.2511	mg/l	0.0200	1	7470A	0418 17:00	0421 14:20	RC
Nickel, Total	0.111	mg/l	0.025	1	6010B	0418 11:30	0421 12:07	AI
Potassium, Total	21	mg/l	2.5	1	6010B	0418 11:30	0421 12:07	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0418 11:30	0421 12:07	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0418 11:30	0421 12:07	AI
Sodium, Total	12	mg/l	2.0	1	6010B	0418 11:30	0421 12:07	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0418 11:30	0421 12:07	AI
Vanadium, Total	0.210	mg/l	0.010	1	6010B	0418 11:30	0421 12:07	AI
Zinc, Total	1.00	mg/l	0.050	1	6010B	0418 11:30	0421 12:07	AI
Dissolved Metals								
Aluminum, Dissolved	0.46	mg/l	0.10	1	6010B	0418 10:30	0421 13:05	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0418 10:30	0421 13:05	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0418 10:30	0421 13:05	AI
Barium, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:05	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0418 10:30	0421 13:05	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0418 10:30	0421 13:05	AI
Calcium, Dissolved	12	mg/l	0.10	1	6010B	0418 10:30	0421 13:05	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0418 10:30	0421 13:05	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0418 10:30	0421 13:05	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:05	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0418 10:30	0421 13:05	AI

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805416-01
GW-1 (SB-2)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Dissolved Metals								
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:05	AI
Magnesium, Dissolved	0.96	mg/l	0.10	1	6010B	0418 10:30	0421 13:05	AI
Manganese, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:05	AI
Mercury, Dissolved	0.0004	mg/l	0.0002	1	7470A	0418 17:00	0421 13:02	RC
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0418 10:30	0421 13:05	AI
Potassium, Dissolved	ND	mg/l	2.5	1	6010B	0418 10:30	0421 13:05	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:05	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0418 10:30	0421 13:05	AI
Sodium, Dissolved	8.3	mg/l	2.0	1	6010B	0418 10:30	0421 13:05	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0418 10:30	0421 13:05	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:05	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0418 10:30	0421 13:05	AI
Volatile Organics by EPA 8260B				1	8260B		0418 16:48	PD
Methylene chloride	ND	ug/l	5.0					
1,1-Dichloroethane	ND	ug/l	0.75					
Chloroform	18	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	2.3	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: L0805416-01
GW-1 (SB-2)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 16:48	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	0.50					
4-Ethyltoluene	ND	ug/l	0.50					
1,2,4,5-Tetramethylbenzene	ND	ug/l	0.50					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	92.0	%	70-130					
Toluene-d8	97.0	%	70-130					
4-Bromofluorobenzene	99.0	%	70-130					
Dibromofluoromethane	95.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0417 19:30	0418 17:09	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: L0805416-01
GW-1 (SB-2)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0417 19:30	0418 17:09	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: L0805416-01
GW-1 (SB-2)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0417 19:30	0418 17:09	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	27.0	%	21-120					
Phenol-d6	24.0	%	10-120					
Nitrobenzene-d5	75.0	%	23-120					
2-Fluorobiphenyl	70.0	%	43-120					
2,4,6-Tribromophenol	80.0	%	10-120					
4-Terphenyl-d14	82.0	%	33-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0417 19:30	0421 21:38	RL
Acenaphthene	ND	ug/l	0.20					
2-Chloronaphthalene	ND	ug/l	0.20					
Fluoranthene	0.27	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	0.22	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	0.30	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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805416-01
GW-1 (SB-2)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0417 19:30	0421 21:38	RL
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	41.0	%	21-120					
Phenol-d6	30.0	%	10-120					
Nitrobenzene-d5	73.0	%	23-120					
2-Fluorobiphenyl	60.0	%	43-120					
2,4,6-Tribromophenol	86.0	%	10-120					
4-Terphenyl-d14	73.0	%	33-120					

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: L0805416-02
GW-2 (EXISTING MW-3)
Sample Matrix: WATER

Date Collected: 16-APR-2008 11:20
Date Received : 17-APR-2008
Date Reported : 22-APR-2008

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	1.5	mg/l	0.10	1	6010B	0422 09:30	0422 15:15	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0418 11:30	0421 12:21	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0418 11:30	0421 12:21	AI
Barium, Total	0.215	mg/l	0.010	1	6010B	0418 11:30	0421 12:21	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0418 11:30	0421 12:21	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0418 11:30	0421 12:21	AI
Calcium, Total	88	mg/l	0.10	1	6010B	0418 11:30	0421 12:21	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0418 11:30	0421 12:21	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0418 11:30	0421 12:21	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0418 11:30	0421 12:21	AI
Iron, Total	28	mg/l	0.05	1	6010B	0418 11:30	0421 12:21	AI
Lead, Total	0.011	mg/l	0.010	1	6010B	0418 11:30	0421 12:21	AI
Magnesium, Total	6.9	mg/l	0.10	1	6010B	0418 11:30	0421 12:21	AI
Manganese, Total	1.59	mg/l	0.010	1	6010B	0418 11:30	0421 12:21	AI
Mercury, Total	ND	mg/l	0.0002	1	7470A	0418 17:00	0421 13:54	RC
Nickel, Total	ND	mg/l	0.025	1	6010B	0418 11:30	0421 12:21	AI
Potassium, Total	37	mg/l	2.5	1	6010B	0418 11:30	0421 12:21	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0418 11:30	0421 12:21	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0418 11:30	0421 12:21	AI
Sodium, Total	200	mg/l	4.0	1	6010B	0418 11:30	0421 13:22	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0418 11:30	0421 12:21	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0418 11:30	0421 12:21	AI
Zinc, Total	0.317	mg/l	0.050	1	6010B	0418 11:30	0421 12:21	AI
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0418 10:30	0421 13:16	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0418 10:30	0421 13:16	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0418 10:30	0421 13:16	AI
Barium, Dissolved	0.147	mg/l	0.010	1	6010B	0418 10:30	0421 13:16	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0418 10:30	0421 13:16	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0418 10:30	0421 13:16	AI
Calcium, Dissolved	86	mg/l	0.10	1	6010B	0418 10:30	0421 13:16	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0418 10:30	0421 13:16	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0418 10:30	0421 13:16	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:16	AI
Iron, Dissolved	6.9	mg/l	0.05	1	6010B	0418 10:30	0421 13:16	AI

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805416-02
GW-2 (EXISTING MW-3)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Dissolved Metals								
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:16	AI
Magnesium, Dissolved	6.6	mg/l	0.10	1	6010B	0418 10:30	0421 13:16	AI
Manganese, Dissolved	1.44	mg/l	0.010	1	6010B	0418 10:30	0421 13:16	AI
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0418 17:00	0421 13:04	RC
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0418 10:30	0421 13:16	AI
Potassium, Dissolved	36	mg/l	2.5	1	6010B	0418 10:30	0421 13:16	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:16	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0418 10:30	0421 13:16	AI
Sodium, Dissolved	210	mg/l	4.0	1	6010B	0418 10:30	0421 13:47	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0418 10:30	0421 13:16	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:16	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0418 10:30	0421 13:16	AI
Volatile Organics by EPA 8260B				1	8260B		0418 14:22	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: L0805416-02
GW-2 (EXISTING MW-3)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 14:22	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	3.2	ug/l	0.50					
sec-Butylbenzene	6.6	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	14	ug/l	0.50					
p-Isopropyltoluene	2.5	ug/l	0.50					
Naphthalene	60	ug/l	2.5					
n-Propylbenzene	14	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	51	ug/l	2.5					
1,4-Diethylbenzene	3.1	ug/l	0.50					
4-Ethyltoluene	ND	ug/l	0.50					
1,2,4,5-Tetramethylbenzene	14	ug/l	0.50					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	97.0	%	70-130					
Toluene-d8	100	%	70-130					
4-Bromofluorobenzene	102	%	70-130					
Dibromofluoromethane	99.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0417 19:30	0418 17:31	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: L0805416-02
GW-2 (EXISTING MW-3)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0417 19:30	0418 17:31	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	37	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	80	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: L0805416-02
GW-2 (EXISTING MW-3)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0417 19:30	0418 17:31	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	33.0	%	21-120					
Phenol-d6	27.0	%	10-120					
Nitrobenzene-d5	88.0	%	23-120					
2-Fluorobiphenyl	79.0	%	43-120					
2,4,6-Tribromophenol	92.0	%	10-120					
4-Terphenyl-d14	83.0	%	33-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0417 19:30	0421 22:22	RL
Acenaphthene	3.9	ug/l	0.20					
2-Chloronaphthalene	ND	ug/l	0.20					
Fluoranthene	ND	ug/l	0.20					
Hexachlorobutadiene	ND	ug/l	0.50					
Naphthalene	>40	ug/l	.2					
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	0.27	ug/l	0.20					
Benzo(ghi)perylene	ND	ug/l	0.20					
Fluorene	6.7	ug/l	0.20					
Phenanthrene	5.1	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	0.29	ug/l	0.20					
2-Methylnaphthalene	>40	ug/l	.2					
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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805416-02
GW-2 (EXISTING MW-3)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0417 19:30	0421 22:22	RL
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	52.0	%	21-120					
Phenol-d6	39.0	%	10-120					
Nitrobenzene-d5	90.0	%	23-120					
2-Fluorobiphenyl	72.0	%	43-120					
2,4,6-Tribromophenol	112	%	10-120					
4-Terphenyl-d14	79.0	%	33-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0417 19:30	0422 11:23	RL
Naphthalene	41	ug/l	1.0					
2-Methylnaphthalene	82	ug/l	1.0					

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: L0805416-03
GW-3 (SB-7)
Sample Matrix: WATER

Date Collected: 16-APR-2008 16:05
Date Received : 17-APR-2008
Date Reported : 22-APR-2008

Condition of Sample: Satisfactory

Field Prep: None

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

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Total Metals								
Aluminum, Total	49	mg/l	0.10	1	6010B	0418 11:30	0421 12:24	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0418 11:30	0421 12:24	AI
Arsenic, Total	0.010	mg/l	0.005	1	6010B	0418 11:30	0421 12:24	AI
Barium, Total	0.348	mg/l	0.010	1	6010B	0418 11:30	0421 12:24	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0418 11:30	0421 12:24	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0418 11:30	0421 12:24	AI
Calcium, Total	280	mg/l	0.10	1	6010B	0418 11:30	0421 12:24	AI
Chromium, Total	0.11	mg/l	0.01	1	6010B	0418 11:30	0421 12:24	AI
Cobalt, Total	0.049	mg/l	0.020	1	6010B	0418 11:30	0421 12:24	AI
Copper, Total	0.131	mg/l	0.010	1	6010B	0418 11:30	0421 12:24	AI
Iron, Total	59	mg/l	0.05	1	6010B	0418 11:30	0421 12:24	AI
Lead, Total	0.032	mg/l	0.010	1	6010B	0418 11:30	0421 12:24	AI
Magnesium, Total	55	mg/l	0.10	1	6010B	0418 11:30	0421 12:24	AI
Manganese, Total	4.34	mg/l	0.010	1	6010B	0418 11:30	0421 12:24	AI
Mercury, Total	0.0007	mg/l	0.0002	1	7470A	0418 17:00	0421 13:56	RC
Nickel, Total	0.095	mg/l	0.025	1	6010B	0418 11:30	0421 12:24	AI
Potassium, Total	10	mg/l	2.5	1	6010B	0418 11:30	0421 12:24	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0418 11:30	0421 12:24	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0418 11:30	0421 12:24	AI
Sodium, Total	110	mg/l	2.0	1	6010B	0418 11:30	0421 12:24	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0418 11:30	0421 12:24	AI
Vanadium, Total	0.098	mg/l	0.010	1	6010B	0418 11:30	0421 12:24	AI
Zinc, Total	0.161	mg/l	0.050	1	6010B	0418 11:30	0421 12:24	AI
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0418 10:30	0421 13:19	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0418 10:30	0421 13:19	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0418 10:30	0421 13:19	AI
Barium, Dissolved	0.032	mg/l	0.010	1	6010B	0418 10:30	0421 13:19	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0418 10:30	0421 13:19	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0418 10:30	0421 13:19	AI
Calcium, Dissolved	240	mg/l	0.10	1	6010B	0418 10:30	0421 13:19	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0418 10:30	0421 13:19	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0418 10:30	0421 13:19	AI
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:19	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0418 10:30	0421 13:19	AI

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0805416-03
GW-3 (SB-7)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Dissolved Metals								
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:19	AI
Magnesium, Dissolved	40	mg/l	0.10	1	6010B	0418 10:30	0421 13:19	AI
Manganese, Dissolved	1.22	mg/l	0.010	1	6010B	0418 10:30	0421 13:19	AI
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0418 17:00	0421 13:09	RC
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0418 10:30	0421 13:19	AI
Potassium, Dissolved	5.6	mg/l	2.5	1	6010B	0418 10:30	0421 13:19	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:19	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0418 10:30	0421 13:19	AI
Sodium, Dissolved	100	mg/l	2.0	1	6010B	0418 10:30	0421 13:19	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0418 10:30	0421 13:19	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 13:19	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0418 10:30	0421 13:19	AI
Volatile Organics by EPA 8260B				1	8260B		0418 14:58	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	26	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	5.5	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: L0805416-03
GW-3 (SB-7)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0418 14:58	PD
cis-1,2-Dichloroethene	6.5	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	0.50					
4-Ethyltoluene	ND	ug/l	0.50					
1,2,4,5-Tetramethylbenzene	ND	ug/l	0.50					
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	91.0	%	70-130					
Toluene-d8	98.0	%	70-130					
4-Bromofluorobenzene	98.0	%	70-130					
Dibromofluoromethane	95.0	%	70-130					
Semivolatile Organics by EPA 8270C				1	8270C	0417 19:30	0418 17:53	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: L0805416-03
GW-3 (SB-7)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0417 19:30	0418 17:53	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: L0805416-03
GW-3 (SB-7)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0417 19:30	0418 17:53	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	27.0	%	21-120					
Phenol-d6	23.0	%	10-120					
Nitrobenzene-d5	69.0	%	23-120					
2-Fluorobiphenyl	65.0	%	43-120					
2,4,6-Tribromophenol	87.0	%	10-120					
4-Terphenyl-d14	75.0	%	33-120					
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0417 19:30	0421 23:08	RL
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					
Hexachloroethane	ND	ug/l	0.80					

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

Laboratory Sample Number: L0805416-03
GW-3 (SB-7)

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0417 19:30	0421 23:08	RL
Surrogate(s)	Recovery		QC Criteria					
2-Fluorophenol	41.0	%	21-120					
Phenol-d6	32.0	%	10-120					
Nitrobenzene-d5	70.0	%	23-120					
2-Fluorobiphenyl	58.0	%	43-120					
2,4,6-Tribromophenol	95.0	%	10-120					
4-Terphenyl-d14	67.0	%	33-120					

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: L0805416-04
TRIP BLANK
Sample Matrix: WATER

Date Collected: 10-APR-2008 18:30
Date Received : 17-APR-2008
Date Reported : 22-APR-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		0421 11:19	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: L0805416-04
TRIP BLANK

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1	8260B		0421 11:19	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	0.50					
4-Ethyltoluene	ND	ug/l	0.50					
1,2,4,5-Tetramethylbenzene	ND	ug/l	0.50					

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	108	%	70-130
Toluene-d8	99.0	%	70-130
4-Bromofluorobenzene	105	%	70-130
Dibromofluoromethane	101	%	70-130

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

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0805416

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Total Metals for sample(s) 01-03 (L0805416-01, WG318616-1)					
Aluminum, Total	64	59	mg/l	8	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.019	0.021	mg/l	7	20
Barium, Total	0.951	0.887	mg/l	7	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	0.009	0.0090	mg/l	1	20
Calcium, Total	170	170	mg/l	0	20
Chromium, Total	0.15	0.14	mg/l	7	20
Cobalt, Total	0.063	0.059	mg/l	8	20
Copper, Total	0.675	0.662	mg/l	2	20
Iron, Total	75	67	mg/l	11	20
Lead, Total	1.34	1.32	mg/l	2	20
Magnesium, Total	32	29	mg/l	10	20
Manganese, Total	2.46	2.35	mg/l	5	20
Nickel, Total	0.111	0.105	mg/l	6	20
Potassium, Total	21	17	mg/l	21	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	12	12	mg/l	0	20
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	0.210	0.189	mg/l	11	20
Zinc, Total	1.00	0.970	mg/l	3	20
Total Metals for sample(s) 02 (L0805416-02, WG318986-1)					
Aluminum, Total	1.5	1.6	mg/l	6	20
Total Metals for sample(s) 01-03 (L0805448-02, WG318694-3)					
Mercury, Total	ND	ND	mg/l	NC	20
Dissolved Metals for sample(s) 01-03 (L0805416-01, WG318611-1)					
Aluminum, Dissolved	0.46	0.47	mg/l	2	20
Antimony, Dissolved	ND	ND	mg/l	NC	20
Arsenic, Dissolved	ND	ND	mg/l	NC	20
Barium, Dissolved	ND	ND	mg/l	NC	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	12	12	mg/l	0	20
Chromium, Dissolved	ND	ND	mg/l	NC	20
Cobalt, Dissolved	ND	ND	mg/l	NC	20
Copper, Dissolved	ND	ND	mg/l	NC	20
Iron, Dissolved	ND	ND	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	0.96	0.96	mg/l	0	20
Manganese, Dissolved	ND	ND	mg/l	NC	20
Nickel, Dissolved	ND	ND	mg/l	NC	20
Potassium, Dissolved	ND	ND	mg/l	NC	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0805416

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Dissolved Metals for sample(s) 01-03 (L0805416-01, WG318611-1)					
Sodium, Dissolved	8.3	8.5	mg/l	2	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals for sample(s) 01-03 (L0805416-02, WG318693-3)					
Mercury, Dissolved	ND	ND	mg/l	NC	20

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0805416

Parameter	% Recovery	QC Criteria
Total Metals LCS for sample(s) 01-03 (WG318616-4)		
Aluminum, Total	100	80-120
Antimony, Total	101	80-120
Arsenic, Total	110	80-120
Barium, Total	96	80-120
Beryllium, Total	97	80-120
Cadmium, Total	110	80-120
Calcium, Total	94	80-120
Chromium, Total	95	80-120
Cobalt, Total	98	80-120
Copper, Total	98	80-120
Iron, Total	95	80-120
Lead, Total	100	80-120
Magnesium, Total	96	80-120
Manganese, Total	97	80-120
Nickel, Total	97	80-120
Potassium, Total	100	80-120
Selenium, Total	104	80-120
Silver, Total	89	80-120
Sodium, Total	95	80-120
Thallium, Total	99	80-120
Vanadium, Total	99	80-120
Zinc, Total	93	80-120
Total Metals LCS for sample(s) 02 (WG318986-4)		
Aluminum, Total	100	80-120
Total Metals LCS for sample(s) 01-03 (WG318694-1)		
Mercury, Total	103	80-120
Dissolved Metals LCS for sample(s) 01-03 (WG318611-4)		
Aluminum, Dissolved	100	80-120
Antimony, Dissolved	98	80-120
Arsenic, Dissolved	106	80-120
Barium, Dissolved	93	80-120
Beryllium, Dissolved	94	80-120
Cadmium, Dissolved	106	80-120
Calcium, Dissolved	91	80-120
Chromium, Dissolved	95	80-120
Cobalt, Dissolved	95	80-120
Copper, Dissolved	94	80-120
Iron, Dissolved	93	80-120
Lead, Dissolved	97	80-120
Magnesium, Dissolved	93	80-120
Manganese, Dissolved	94	80-120
Nickel, Dissolved	94	80-120
Potassium, Dissolved	97	80-120
Selenium, Dissolved	102	80-120
Silver, Dissolved	91	80-120

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0805416

Continued

Parameter	% Recovery	QC Criteria
Dissolved Metals LCS for sample(s) 01-03 (WG318611-4)		
Sodium, Dissolved	92	80-120
Thallium, Dissolved	98	80-120
Vanadium, Dissolved	96	80-120
Zinc, Dissolved	92	80-120
Dissolved Metals LCS for sample(s) 01-03 (WG318693-1)		
Mercury, Dissolved	100	70-130
Total Metals SPIKE for sample(s) 02 (L0805416-02, WG318986-2)		
Aluminum, Total	95	75-125
Total Metals SPIKE for sample(s) 01-03 (L0805416-01, WG318616-2)		
Aluminum, Total	0	75-125
Antimony, Total	76	75-125
Arsenic, Total	104	75-125
Barium, Total	89	75-125
Beryllium, Total	93	75-125
Cadmium, Total	102	75-125
Calcium, Total	0	75-125
Chromium, Total	80	75-125
Cobalt, Total	90	75-125
Copper, Total	88	75-125
Iron, Total	0	75-125
Lead, Total	86	75-125
Magnesium, Total	50	75-125
Manganese, Total	54	75-125
Nickel, Total	87	75-125
Potassium, Total	60	75-125
Selenium, Total	97	75-125
Silver, Total	88	75-125
Sodium, Total	100	75-125
Thallium, Total	90	75-125
Vanadium, Total	89	75-125
Zinc, Total	76	75-125
Total Metals SPIKE for sample(s) 01-03 (L0805448-02, WG318694-2)		
Mercury, Total	127	70-130
Dissolved Metals SPIKE for sample(s) 01-03 (L0805416-01, WG318611-2)		
Aluminum, Dissolved	97	75-125
Antimony, Dissolved	99	75-125
Arsenic, Dissolved	107	75-125
Barium, Dissolved	94	75-125
Beryllium, Dissolved	94	75-125
Cadmium, Dissolved	106	75-125
Calcium, Dissolved	90	75-125
Chromium, Dissolved	95	75-125
Cobalt, Dissolved	95	75-125

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0805416

Continued

Parameter	% Recovery	QC Criteria
Dissolved Metals SPIKE for sample(s) 01-03 (L0805416-01, WG318611-2)		
Copper, Dissolved	96	75-125
Iron, Dissolved	94	75-125
Lead, Dissolved	96	75-125
Magnesium, Dissolved	90	75-125
Manganese, Dissolved	95	75-125
Nickel, Dissolved	94	75-125
Potassium, Dissolved	120	75-125
Selenium, Dissolved	102	75-125
Silver, Dissolved	90	75-125
Sodium, Dissolved	97	75-125
Thallium, Dissolved	93	75-125
Vanadium, Dissolved	98	75-125
Zinc, Dissolved	92	75-125
Dissolved Metals SPIKE for sample(s) 01-03 (L0805416-02, WG318693-2)		
Mercury, Dissolved	126	70-130

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0805416

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by EPA 8260B for sample(s) 01-03 (WG318695-1, WG318695-2)					
Chlorobenzene	102	96	6	20	75-130
Benzene	98	93	5	20	76-127
Toluene	100	94	6	20	76-125
1,1-Dichloroethene	102	98	4	20	61-145
Trichloroethene	100	95	5	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	99	98	1		70-130
Toluene-d8	99	99	0		70-130
4-Bromofluorobenzene	97	99	2		70-130
Dibromofluoromethane	99	100	1		70-130
Volatile Organics by EPA 8260B for sample(s) 04 (WG318445-4, WG318445-5)					
Chlorobenzene	96	106	10	20	75-130
Benzene	92	103	11	20	76-127
Toluene	95	106	11	20	76-125
1,1-Dichloroethene	98	112	13	20	61-145
Trichloroethene	97	109	12	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	104	105	1		70-130
Toluene-d8	100	98	2		70-130
4-Bromofluorobenzene	100	99	1		70-130
Dibromofluoromethane	101	103	2		70-130
Semivolatile Organics by EPA 8270C for sample(s) 01-03 (WG318381-2, WG318381-3)					
Acenaphthene	99	93	6	30	46-118
1,2,4-Trichlorobenzene	84	82	2	30	39-98
2-Chloronaphthalene	97	95	2	30	40-140
1,2-Dichlorobenzene	65	63	3	30	40-140
1,4-Dichlorobenzene	62	60	3	30	36-97
2,4-Dinitrotoluene	122	117	4	30	24-96
2,6-Dinitrotoluene	117	115	2	30	40-140
Fluoranthene	112	115	3	30	40-140
4-Chlorophenyl phenyl ether	111	102	8	30	40-140
n-Nitrosodi-n-propylamine	71	67	6	30	41-116
Butyl benzyl phthalate	124	124	0	30	40-140
Anthracene	111	109	2	30	40-140
Pyrene	113	114	1	30	26-127
P-Chloro-M-Cresol	107	103	4	30	23-97
2-Chlorophenol	79	77	3	30	27-123
2-Nitrophenol	98	98	0	30	30-130
4-Nitrophenol	76	67	13	30	10-80
2,4-Dinitrophenol	151	148	2	30	30-130
Pentachlorophenol	109	106	3	30	9-103
Phenol	38	31	20	30	12-110

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0805416

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Semivolatile Organics by EPA 8270C for sample(s) 01-03 (WG318381-2, WG318381-3)					
Surrogate(s)					
2-Fluorophenol	51	44	15		21-120
Phenol-d6	50	39	25		10-120
Nitrobenzene-d5	93	89	4		23-120
2-Fluorobiphenyl	107	103	4		43-120
2,4,6-Tribromophenol	131	125	5		10-120
4-Terphenyl-d14	130	126	3		33-120
Semivolatile Organics by EPA 8270C-SIM for sample(s) 01-03 (WG318380-2, WG318380-3)					
Acenaphthene	72	74	3		40-140
2-Chloronaphthalene	65	70	7		40-140
Fluoranthene	108	110	2		40-140
Anthracene	83	84	1		40-140
Pyrene	101	108	7		40-140
Pentachlorophenol	89	84	6		30-130
Surrogate(s)					
2-Fluorophenol	57	61	7		21-120
Phenol-d6	43	47	9		10-120
Nitrobenzene-d5	81	85	5		23-120
2-Fluorobiphenyl	64	67	5		43-120
2,4,6-Tribromophenol	94	99	5		10-120
4-Terphenyl-d14	76	87	13		33-120

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805416

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-03 (WG318616-3)								
Total Metals								
Aluminum, Total	0.15	mg/l	0.10	1	6010B	0418 11:30	0421 12:55	AI
Antimony, Total	ND	mg/l	0.050	1	6010B	0418 11:30	0421 12:55	AI
Arsenic, Total	ND	mg/l	0.005	1	6010B	0418 11:30	0421 12:55	AI
Barium, Total	ND	mg/l	0.010	1	6010B	0418 11:30	0421 12:55	AI
Beryllium, Total	ND	mg/l	0.005	1	6010B	0418 11:30	0421 12:55	AI
Cadmium, Total	ND	mg/l	0.005	1	6010B	0418 11:30	0421 12:55	AI
Calcium, Total	ND	mg/l	0.10	1	6010B	0418 11:30	0421 12:55	AI
Chromium, Total	ND	mg/l	0.01	1	6010B	0418 11:30	0421 12:55	AI
Cobalt, Total	ND	mg/l	0.020	1	6010B	0418 11:30	0421 12:55	AI
Copper, Total	ND	mg/l	0.010	1	6010B	0418 11:30	0421 12:55	AI
Iron, Total	ND	mg/l	0.05	1	6010B	0418 11:30	0421 12:55	AI
Lead, Total	ND	mg/l	0.010	1	6010B	0418 11:30	0421 12:55	AI
Magnesium, Total	ND	mg/l	0.10	1	6010B	0418 11:30	0421 12:55	AI
Manganese, Total	ND	mg/l	0.010	1	6010B	0418 11:30	0421 12:55	AI
Nickel, Total	ND	mg/l	0.025	1	6010B	0418 11:30	0421 12:55	AI
Potassium, Total	ND	mg/l	2.5	1	6010B	0418 11:30	0421 12:55	AI
Selenium, Total	ND	mg/l	0.010	1	6010B	0418 11:30	0421 12:55	AI
Silver, Total	ND	mg/l	0.007	1	6010B	0418 11:30	0421 12:55	AI
Sodium, Total	ND	mg/l	2.0	1	6010B	0418 11:30	0421 12:55	AI
Thallium, Total	ND	mg/l	0.020	1	6010B	0418 11:30	0421 12:55	AI
Vanadium, Total	ND	mg/l	0.010	1	6010B	0418 11:30	0421 12:55	AI
Zinc, Total	ND	mg/l	0.050	1	6010B	0418 11:30	0421 12:55	AI
Blank Analysis for sample(s) 02 (WG318986-3)								
Total Metals								
Aluminum, Total	ND	mg/l	0.10	1	6010B	0422 09:30	0422 15:09	AI
Blank Analysis for sample(s) 01-03 (WG318694-4)								
Total Metals								
Mercury, Total	ND	mg/l	0.0002	1	7470A	0418 17:00	0421 13:15	RC
Blank Analysis for sample(s) 01-03 (WG318611-3)								
Dissolved Metals								
Aluminum, Dissolved	ND	mg/l	0.10	1	6010B	0418 10:30	0421 12:59	AI
Antimony, Dissolved	ND	mg/l	0.050	1	6010B	0418 10:30	0421 12:59	AI
Arsenic, Dissolved	ND	mg/l	0.005	1	6010B	0418 10:30	0421 12:59	AI
Barium, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 12:59	AI
Beryllium, Dissolved	ND	mg/l	0.005	1	6010B	0418 10:30	0421 12:59	AI
Cadmium, Dissolved	ND	mg/l	0.005	1	6010B	0418 10:30	0421 12:59	AI
Calcium, Dissolved	ND	mg/l	0.10	1	6010B	0418 10:30	0421 12:59	AI
Chromium, Dissolved	ND	mg/l	0.01	1	6010B	0418 10:30	0421 12:59	AI
Cobalt, Dissolved	ND	mg/l	0.020	1	6010B	0418 10:30	0421 12:59	AI

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805416

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-03 (WG318611-3)								
Dissolved Metals								
Copper, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 12:59	AI
Iron, Dissolved	ND	mg/l	0.05	1	6010B	0418 10:30	0421 12:59	AI
Lead, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 12:59	AI
Magnesium, Dissolved	ND	mg/l	0.10	1	6010B	0418 10:30	0421 12:59	AI
Manganese, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 12:59	AI
Nickel, Dissolved	ND	mg/l	0.025	1	6010B	0418 10:30	0421 12:59	AI
Potassium, Dissolved	ND	mg/l	2.5	1	6010B	0418 10:30	0421 12:59	AI
Selenium, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 12:59	AI
Silver, Dissolved	ND	mg/l	0.007	1	6010B	0418 10:30	0421 12:59	AI
Sodium, Dissolved	ND	mg/l	2.0	1	6010B	0418 10:30	0421 12:59	AI
Thallium, Dissolved	ND	mg/l	0.020	1	6010B	0418 10:30	0421 12:59	AI
Vanadium, Dissolved	ND	mg/l	0.010	1	6010B	0418 10:30	0421 12:59	AI
Zinc, Dissolved	ND	mg/l	0.050	1	6010B	0418 10:30	0421 12:59	AI
Blank Analysis for sample(s) 01-03 (WG318693-4)								
Dissolved Metals								
Mercury, Dissolved	ND	mg/l	0.0002	1	7470A	0418 17:00	0421 12:25	RC
Blank Analysis for sample(s) 04 (WG318445-6)								
Volatile Organics by EPA 8260B				1	8260B		0421 10:06	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					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805416

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 04 (WG318445-6)								
Volatile Organics by EPA 8260B cont'd				1	8260B		0421 10:06	PD
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					
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	0.50					
4-Ethyltoluene	ND	ug/l	0.50					
1,2,4,5-Tetramethylbenzene	ND	ug/l	0.50					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805416

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 04 (WG318445-6)								
Volatile Organics by EPA 8260B cont'd				1	8260B		0421 10:06	PD
Surrogate(s)	Recovery		QC Criteria					
1,2-Dichloroethane-d4	100	%	70-130					
Toluene-d8	98.0	%	70-130					
4-Bromofluorobenzene	106	%	70-130					
Dibromofluoromethane	101	%	70-130					
Blank Analysis for sample(s) 04 (WG318445-6)								
Volatile Organics by EPA 8260B				1	8260B		0421 10:06	PD
Tentatively Identified Compounds								
No Tentatively Identified Compounds	ND	ug/l						
Blank Analysis for sample(s) 01-03 (WG318695-3)								
Volatile Organics by EPA 8260B				1	8260B		0418 11:13	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					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805416

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-03 (WG318695-3)							
Volatile Organics by EPA 8260B cont'd				1 8260B		0418 11:13	PD
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	0.50				
4-Ethyltoluene	ND	ug/l	0.50				
1,2,4,5-Tetramethylbenzene	ND	ug/l	0.50				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	98.0	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	98.0	%	70-130				

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805416

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-03 (WG318381-1)								
Semivolatile Organics by EPA 8270C				1	8270C	0417 03:00	0418 11:16	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					
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					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805416

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-03 (WG318381-1)								
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0417 03:00	0418 11:16	PS
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	36.0	%	10-120					
Nitrobenzene-d5	81.0	%	23-120					
2-Fluorobiphenyl	81.0	%	43-120					
2,4,6-Tribromophenol	105	%	10-120					
4-Terphenyl-d14	116	%	33-120					
Blank Analysis for sample(s) 01-03 (WG318380-1)								
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0417 03:00	0421 19:24	RL
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					

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0805416

Continued

PARAMETER	RESULT	UNITS	RDL	REF	METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-03 (WG318380-1)								
Semivolatile Organics by EPA 8270C-SIM cont'd				1	8270C	0417 03:00	0421 19:24	RL
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	51.0	%	21-120					
Phenol-d6	40.0	%	10-120					
Nitrobenzene-d5	73.0	%	23-120					
2-Fluorobiphenyl	60.0	%	43-120					
2,4,6-Tribromophenol	90.0	%	10-120					
4-Terphenyl-d14	83.0	%	33-120					

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.

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: 4/17

ALPHA Job #: L0805416

Client Information

Client: AKRF Inc
Address: 34 S. Broadway Suite 314 White Plains, NY 10601
Phone: Chad (646) 522-5227
Fax:
Email: condrusch@AKRF.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Bronx AUG (1559 + 1560)
Project Location: Bronx, NY
Project #: 11068
Project Manager: Marcus Simmons
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!) 3 day
Date Due: 4/22/08 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SVOCs	VOCs	TAL Metals (filtered)	TAL Metals (unfiltered)	Sample Specific Comments	Total # Bottles
54161	GW-1 (SB-2)	4/16/08	10:55	GW	C.O	X	X	X	X		
2	GW-2 (Existing MW-3)	4/16/08	11:20	GW	C.O	X	X	X	X		
3	GW-3 (SB-7)	4/16/08	16:05	GW	C.O	X	X	X	X		

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

Container Type	A	V	P	P
Preservative	A	B	A	C

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Chad Condrusch	4/17/08 11:40	Paul Gilbert	4/17/08 11:40
Paul Gilbert	4/17/08 1730		4/17 1730

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 Payment Terms. See reverse side.

FORM NO: 01-01 (rev. 30-JUL-07)